

FIG.1A

INFORMATION FROM OPERATING UNIT IS
CONVERTED AND ASIC SETTING IS PERFORMED

CONVENTIONAL ASIC CONTROLLER

FIG.1B

TRANSLATING UNIT THAT TRANSLATES
INFORMATION FROM OPERATING UNIT TO INFORMATION
THAT IS RECOGNIZED BY DSP CONTROLLER



DOWNLOAD REQUEST UNIT THAT MAKES
REQUEST FOR DOWNLOAD TO DSP BASED ON
INFORMATION TRANSLATED

NEW DSP CONTROLLER

FIG.2

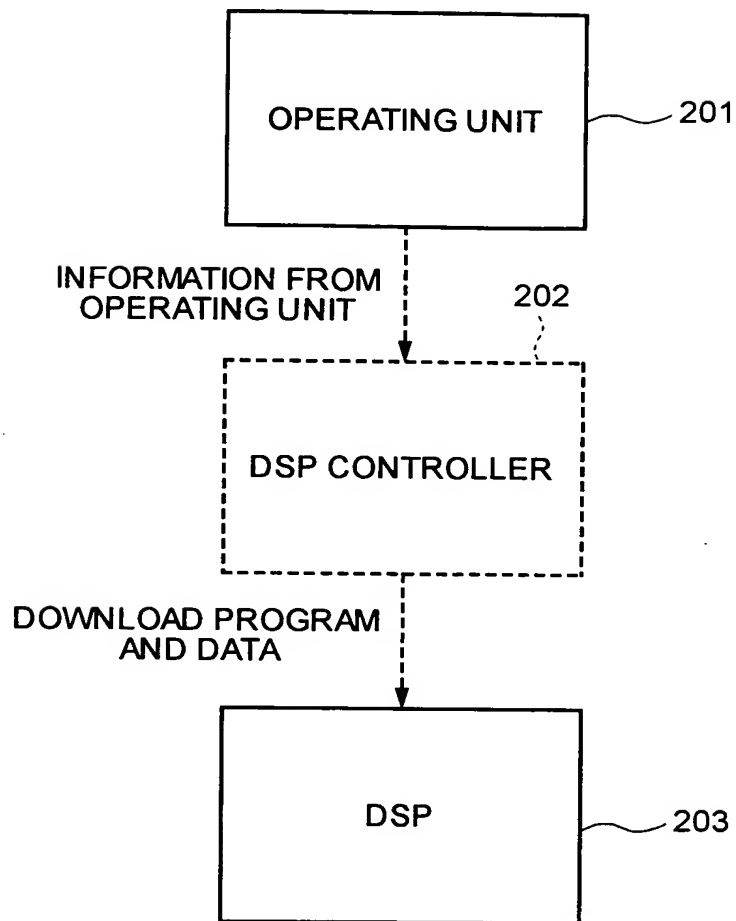


FIG.3

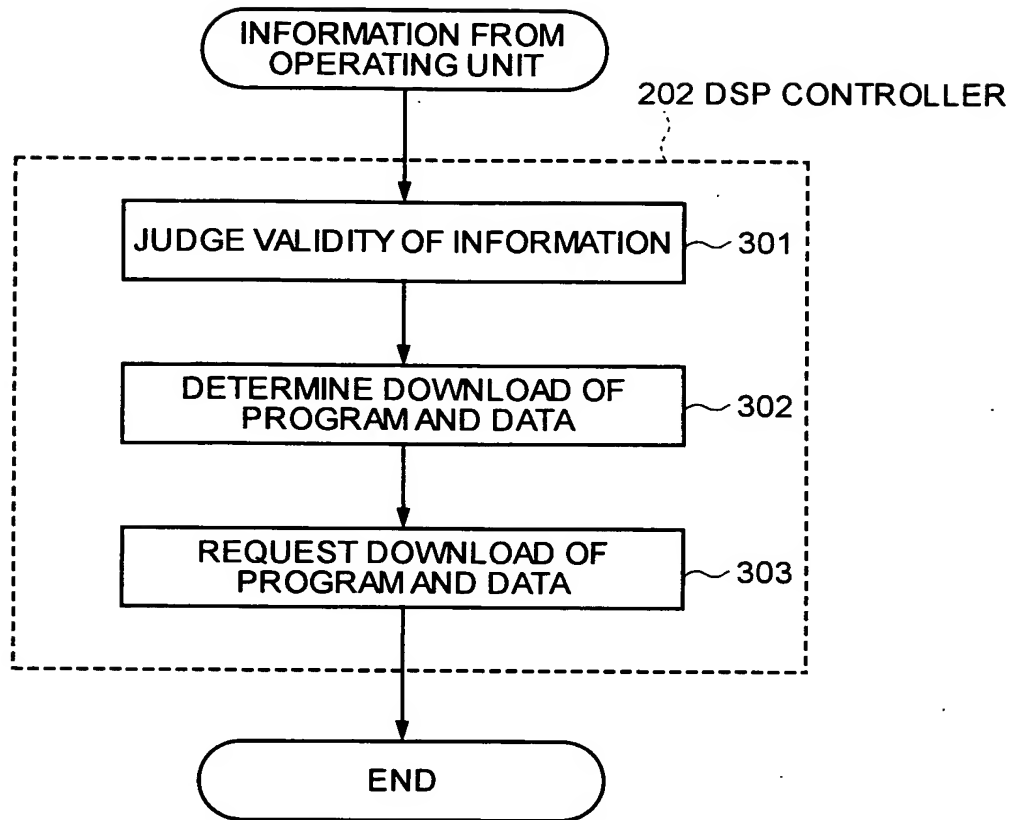


FIG. 4

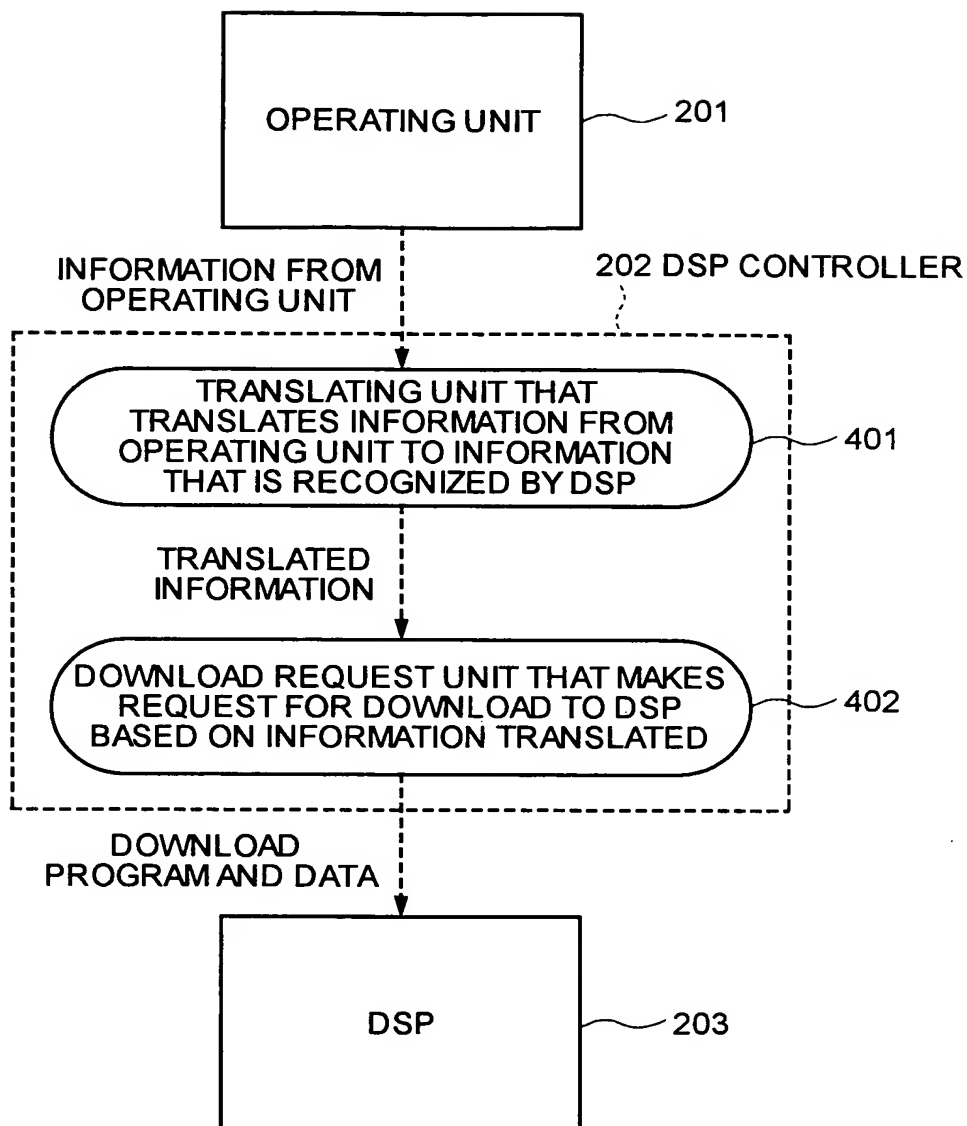


FIG.5

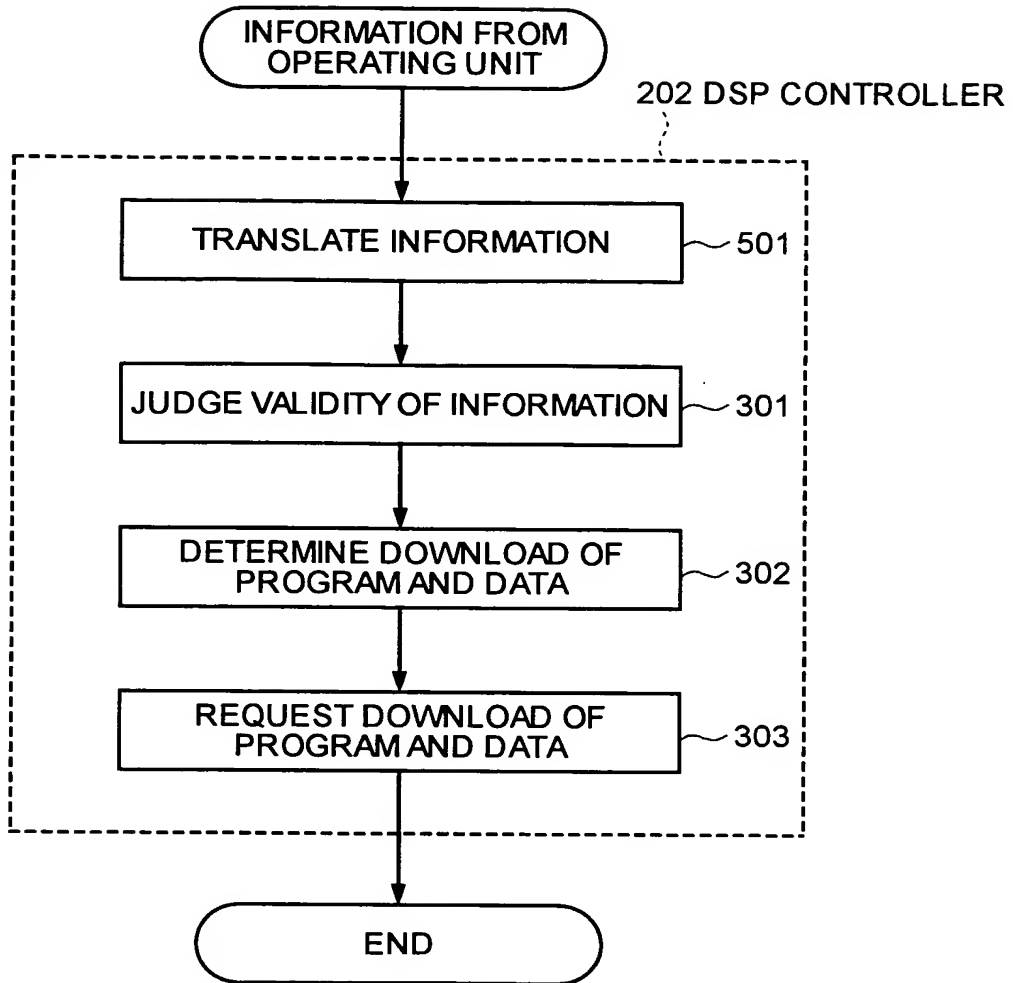
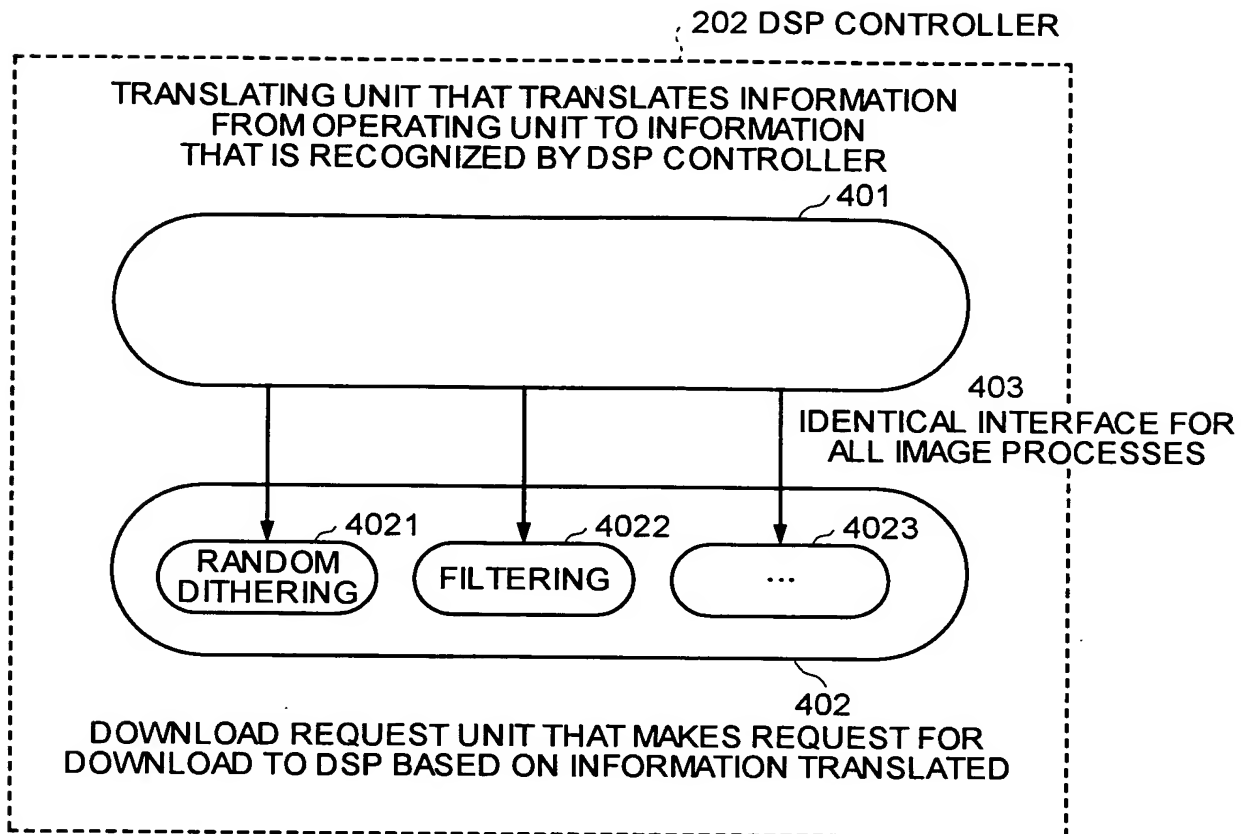


FIG.6



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FIG.7A

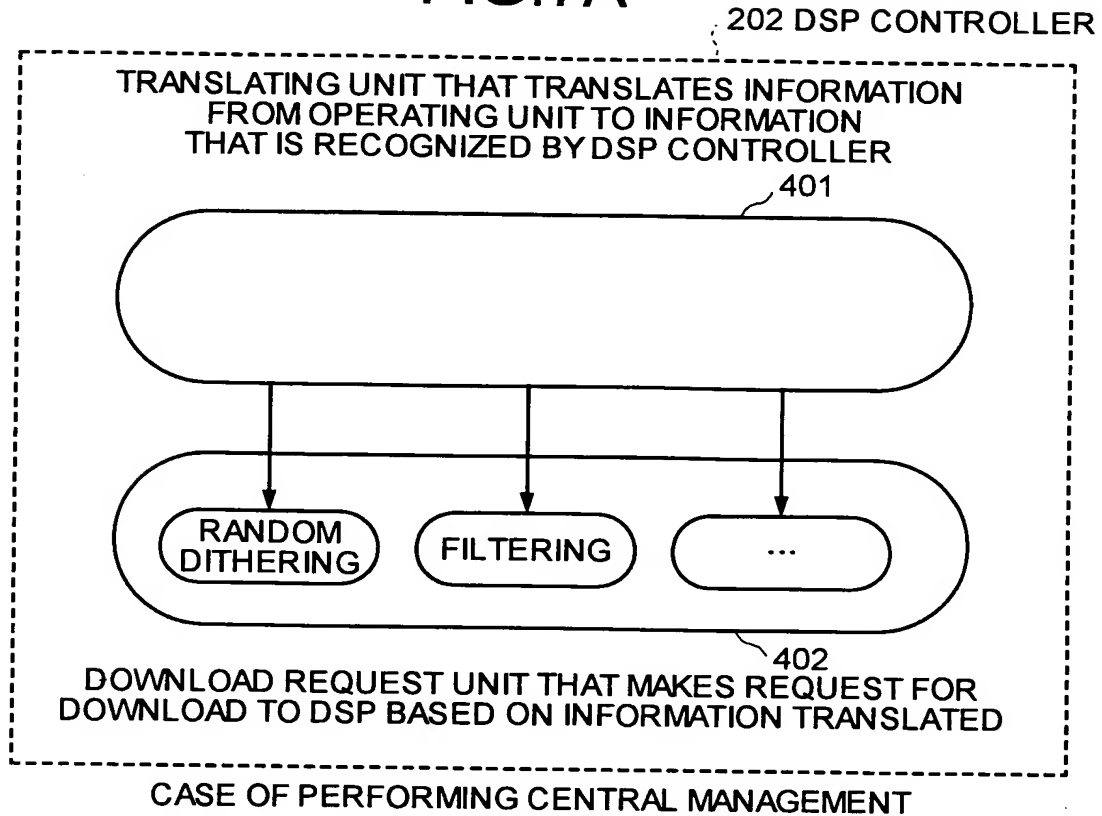
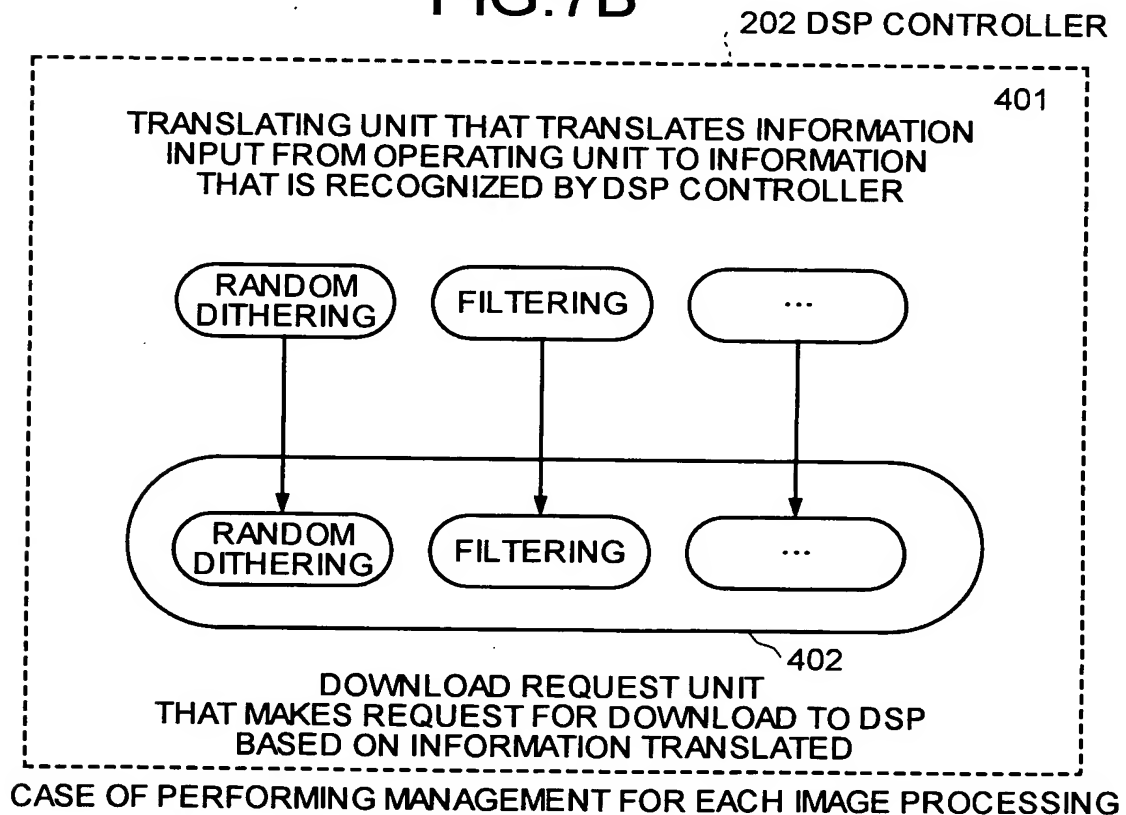


FIG.7B



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FIG.8

```
const u_char Tbl[REQUEST LEVEL 1]
REQUEST LEVEL 2][REQUEST LEVEL 3][2] = {
{
    { {P2,D2}, {P2,D2}, {P2,D2}, {P2,D2}, },
    { {P0,D0}, {P0,D0}, {P0,D0}, {P0,D0}, },
    { {P3,D3}, {P3,D3}, {P3,D3}, {P3,D3}, }
},
{
    { {P4,D4}, {P4,D4}, {P4,D4}, {P4,D4}, },
    { {P5,D5}, {P5,D5}, {P5,D5}, {P5,D5}, },
    { {P6,D6}, {P6,D6}, {P6,D6}, {P6,D6}, }
},
{
    { {P7,D7}, {P7,D7}, {P7,D7}, {P7,D7}, },
    { {P8,D8}, {P8,D8}, {P8,D8}, {P8,D8}, },
    { {P9,D9}, {P9,D9}, {P9,D9}, {P9,D9}, }
},
{
    { {P10,D10}, {P10,D10}, {P10,D10}, {P10,D10}, },
    { {P11,D11}, {P11,D11}, {P11,D11}, {P11,D11}, },
    { {P12,D12}, {P12,D12}, {P12,D12}, {P12,D12}, }
},
{
    { {P13,D13}, {P13,D13}, {P13,D13}, {P13,D13}, },
    { {P14,D14}, {P14,D14}, {P14,D14}, {P14,D14}, },
    { {P15,D15}, {P15,D15}, {P15,D15}, {P15,D15}, }
}
},
```

FIG.9

```
const u_char Prog_Tbl[5][16] = {
/* P0 P1 P2 P3 P4 P5 P6 P7 P8 P9 P10 P11 P12 P13 P14 P15 */
{ 29, 1, 29, 0, 3, 5, 5, 5, 5, 5, 28, 28, 28, 29, 29, 29, },
{ 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, },
{ 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, },
{ 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, },
{ 0, 0, 0, 0, 1, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, },
```


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FIG. 10

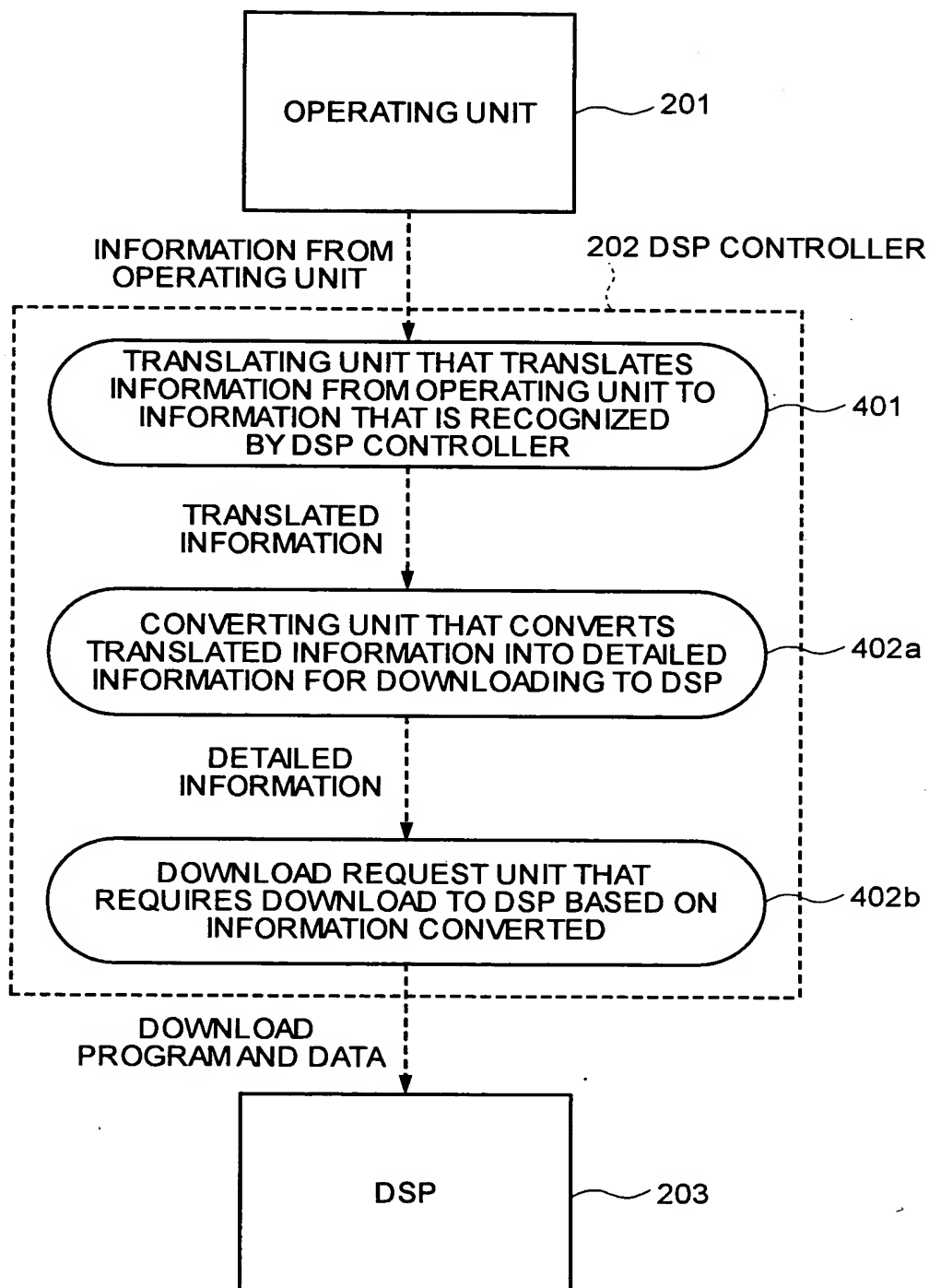
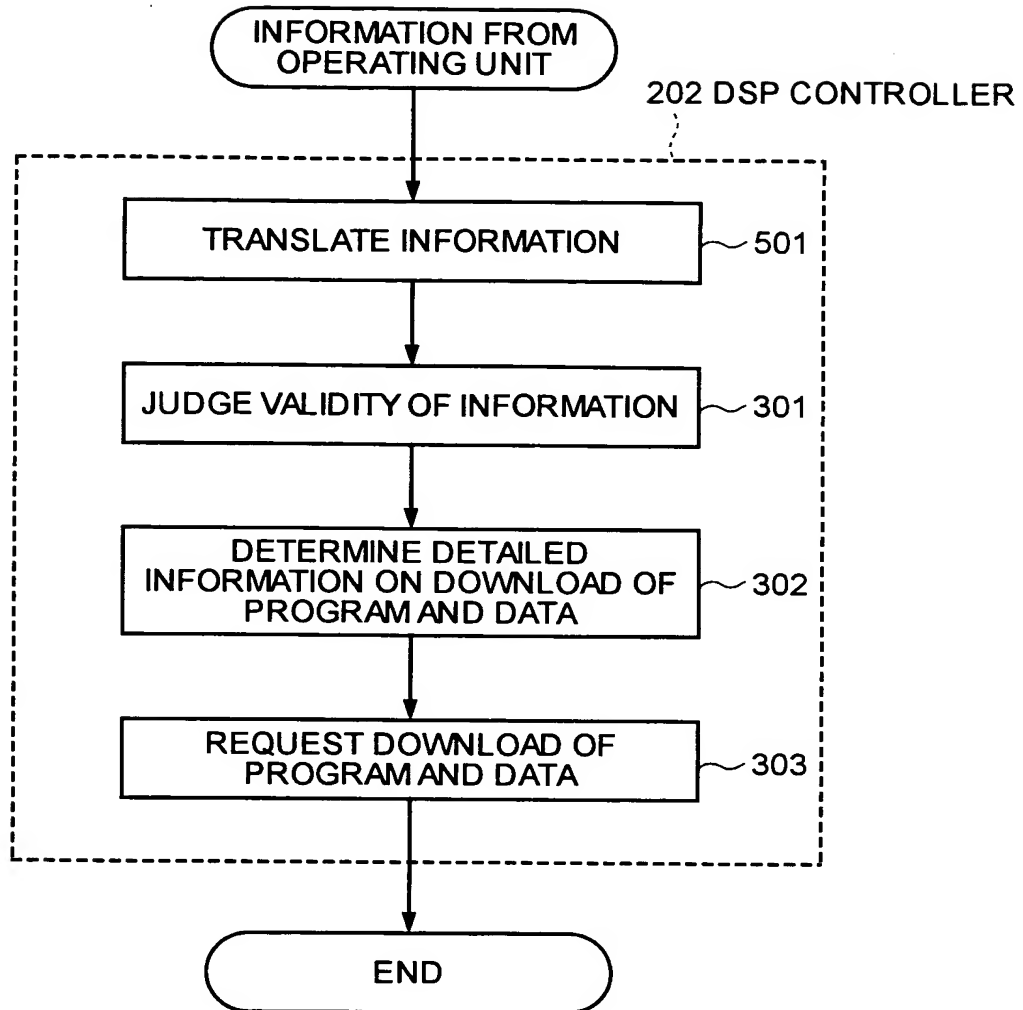
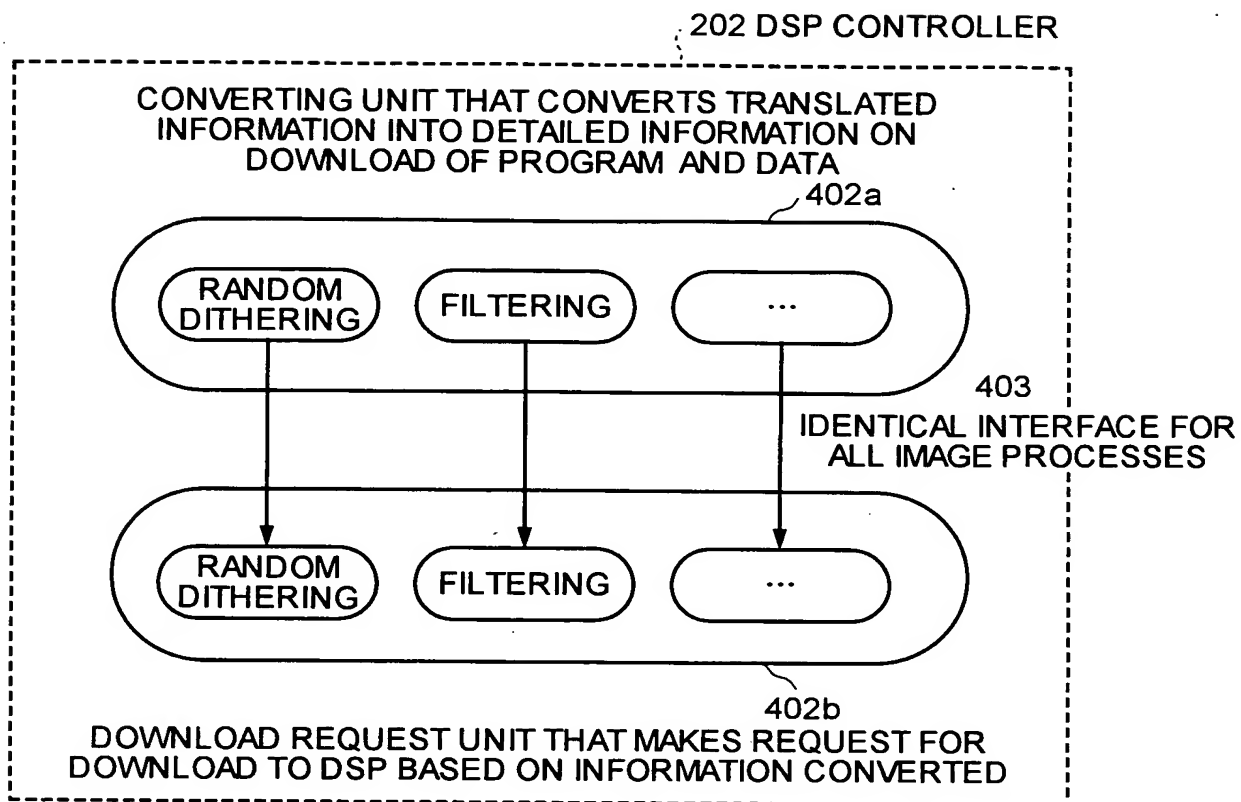


FIG. 11



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FIG. 12



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FIG. 13A

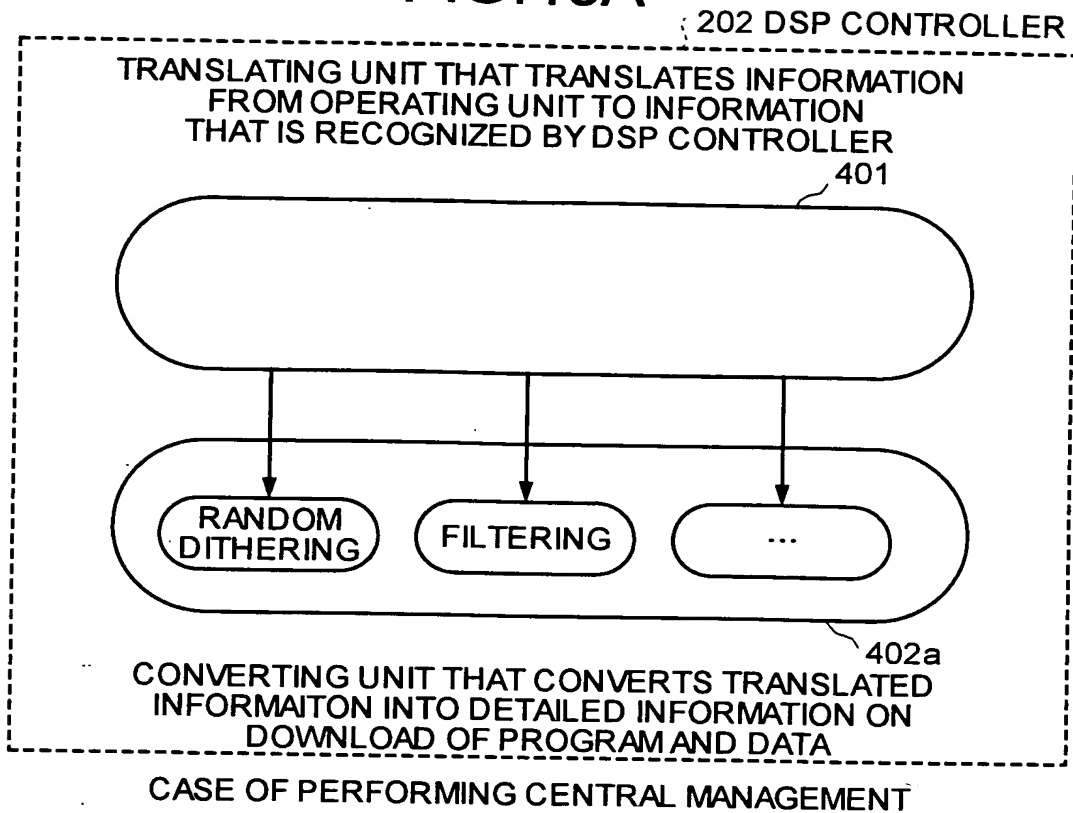


FIG. 13B

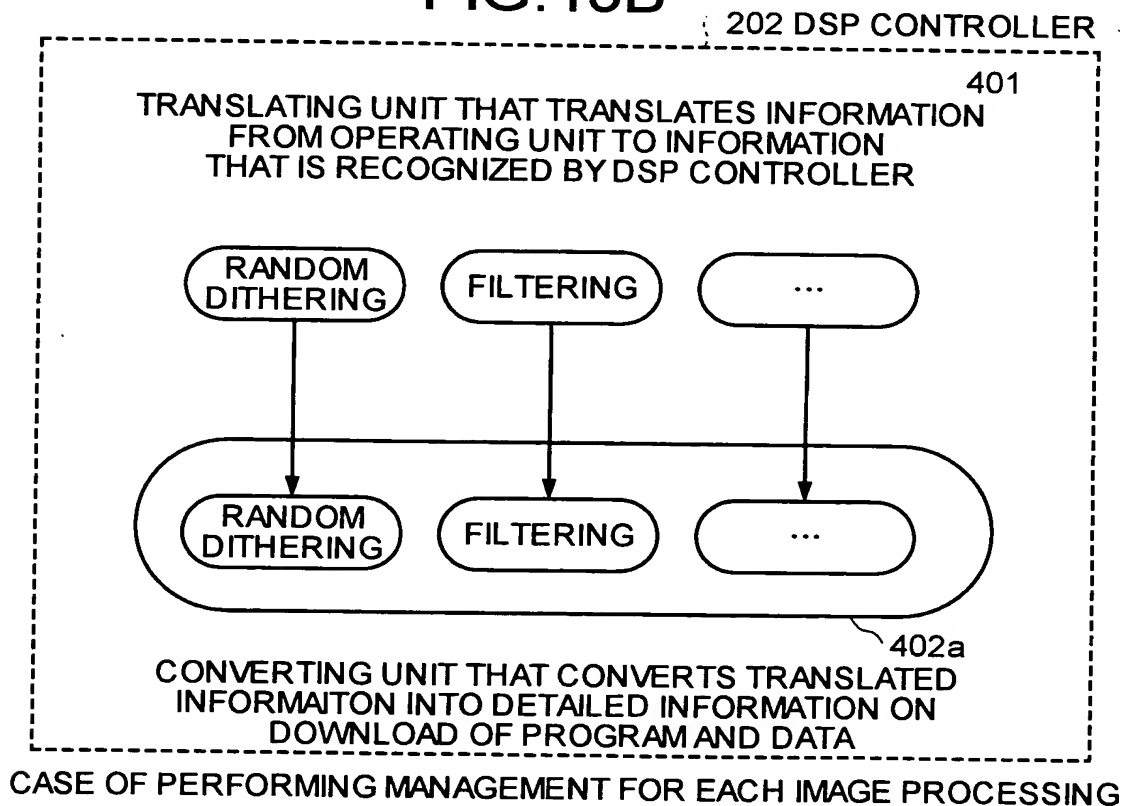


FIG. 14

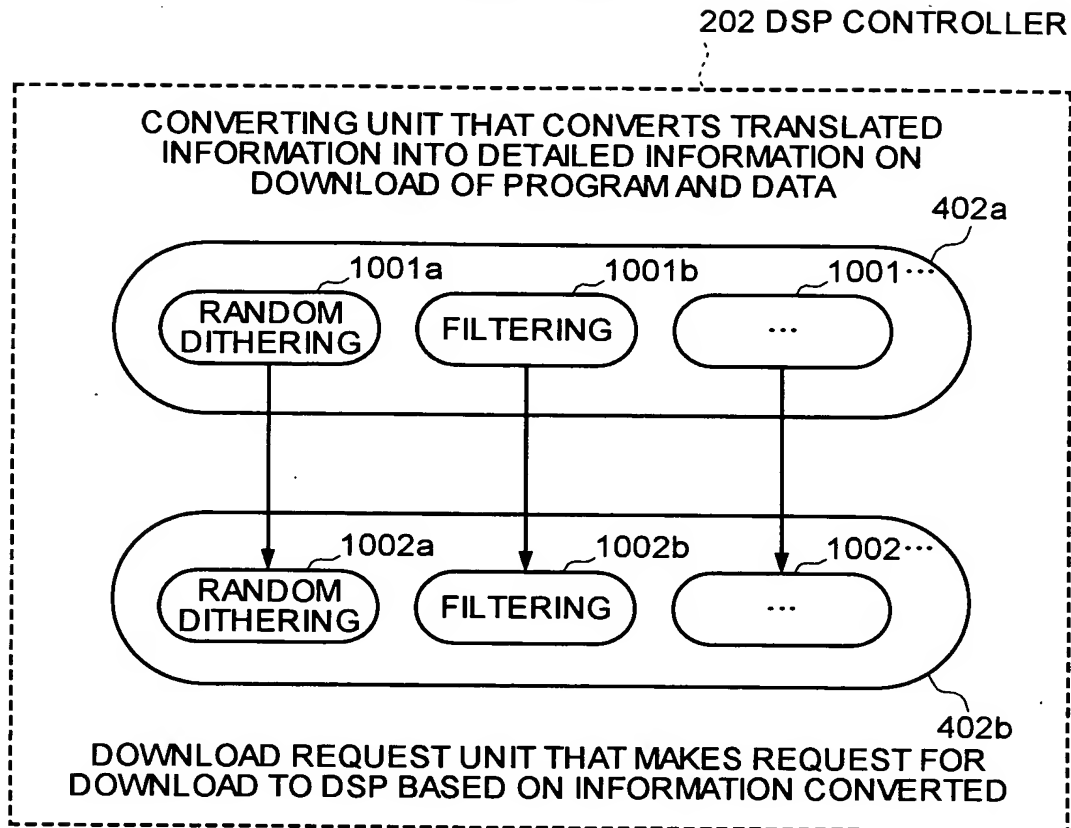
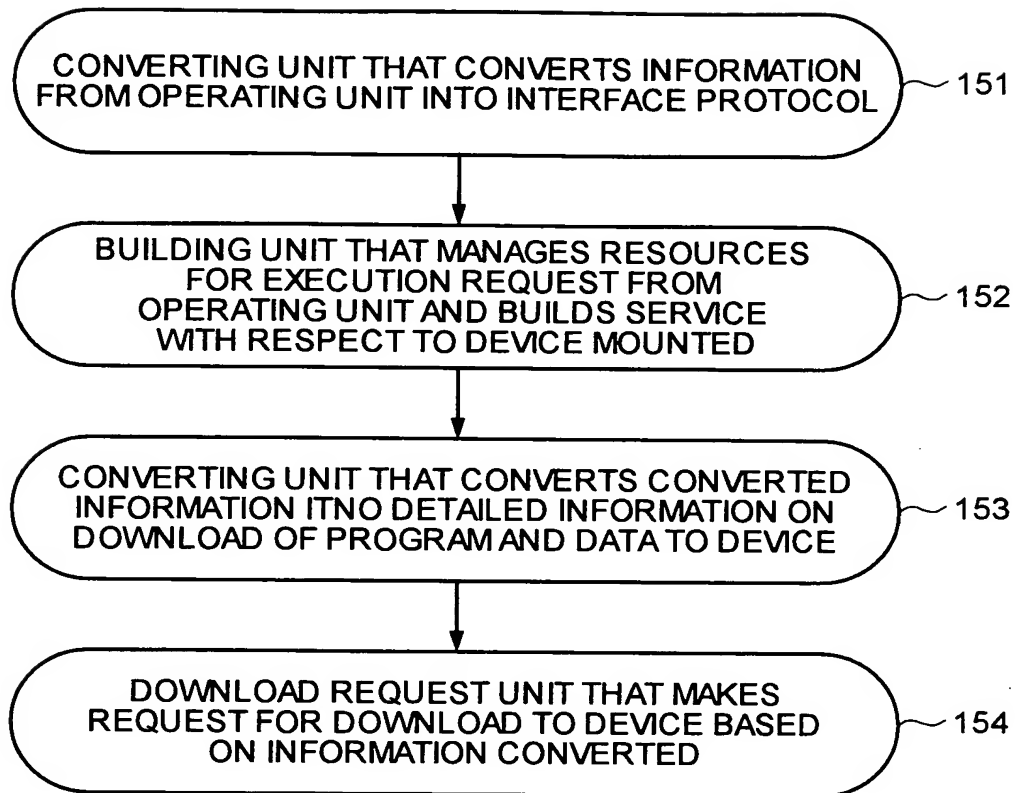


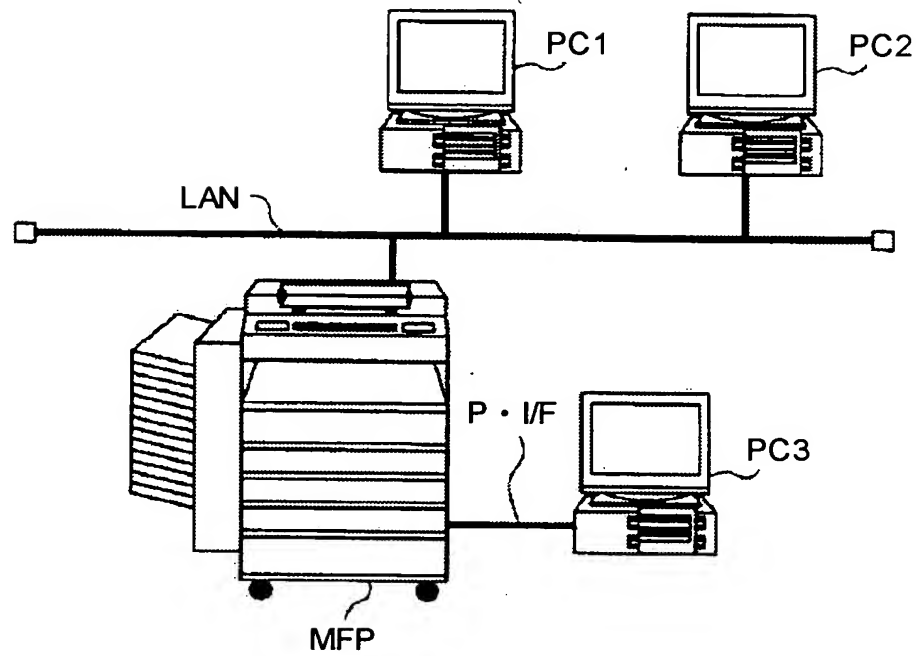
FIG.15



NEW CONCEPT OF APPARATUS FOR CONTROLLING IMAGE PROCESSING

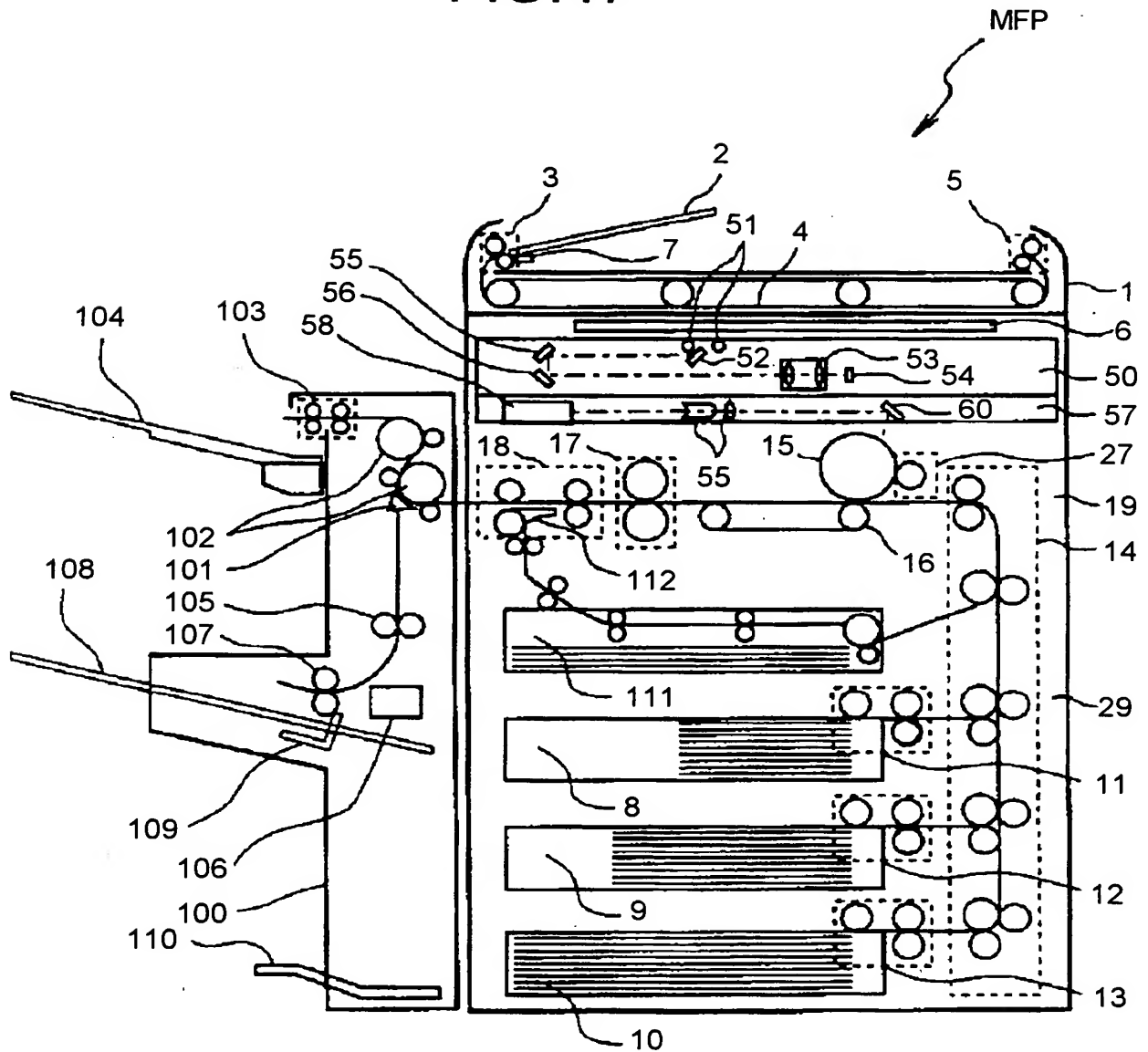
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FIG. 16



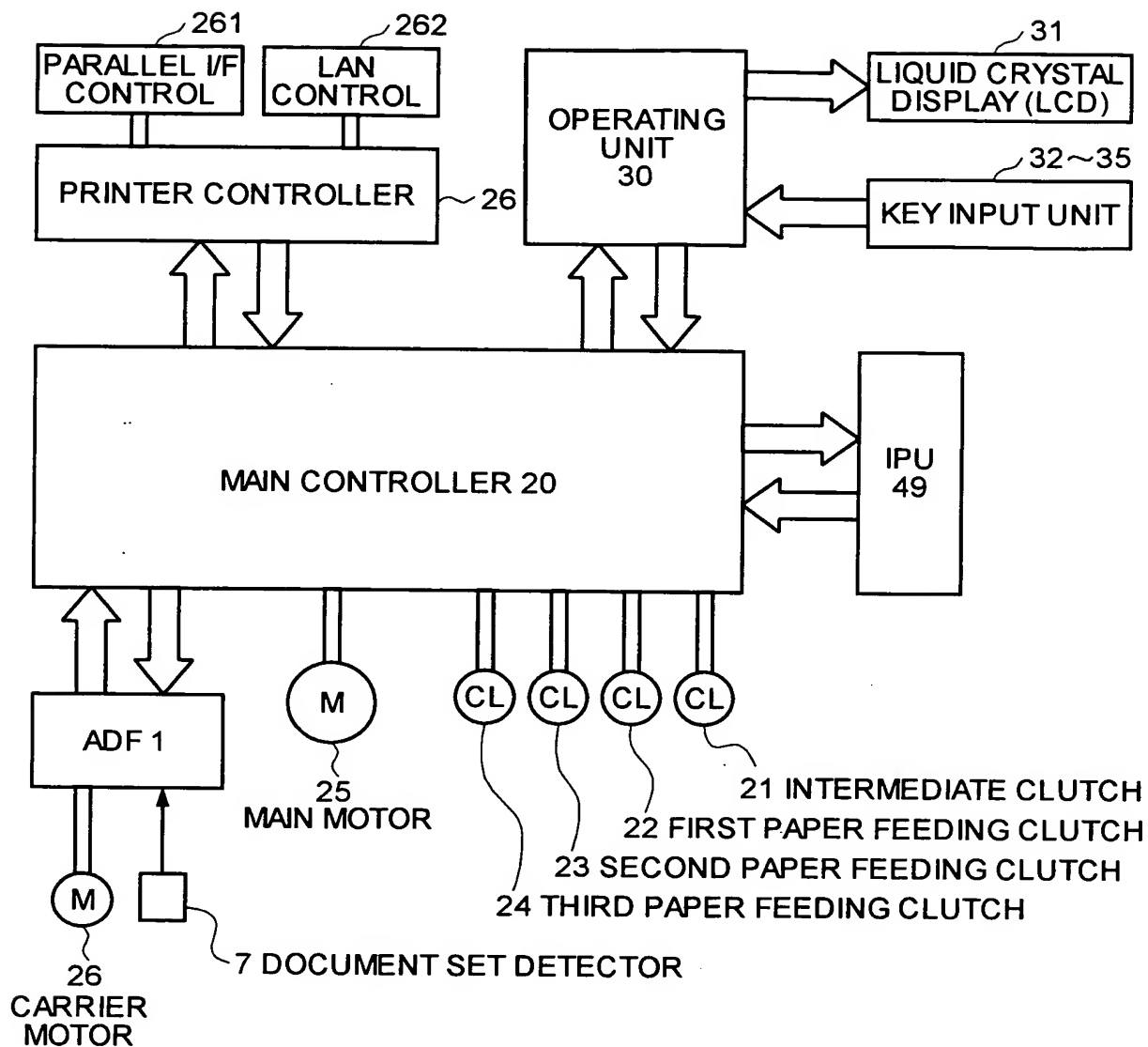
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FIG. 17



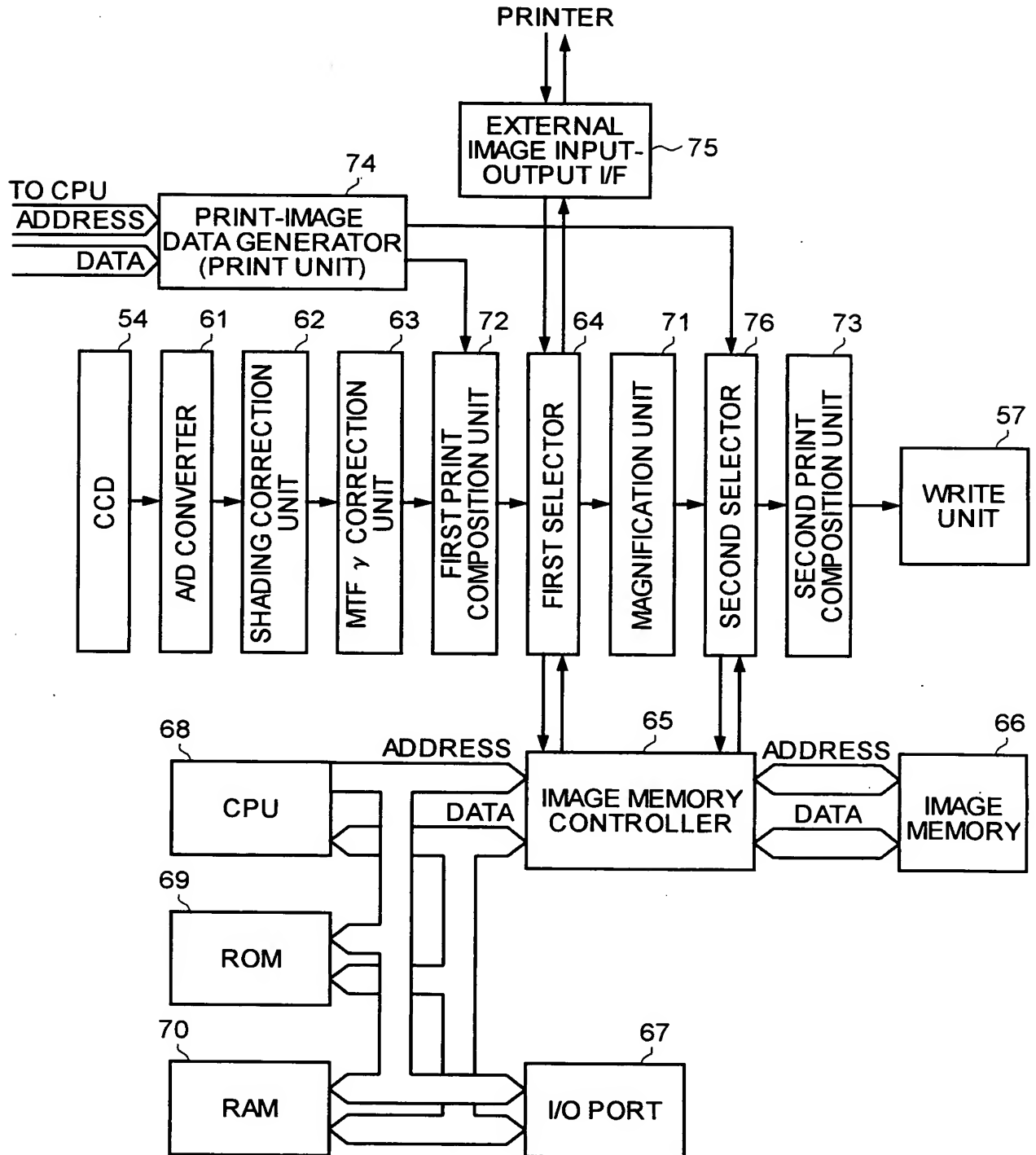
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FIG. 18



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FIG. 19



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FIG.20A

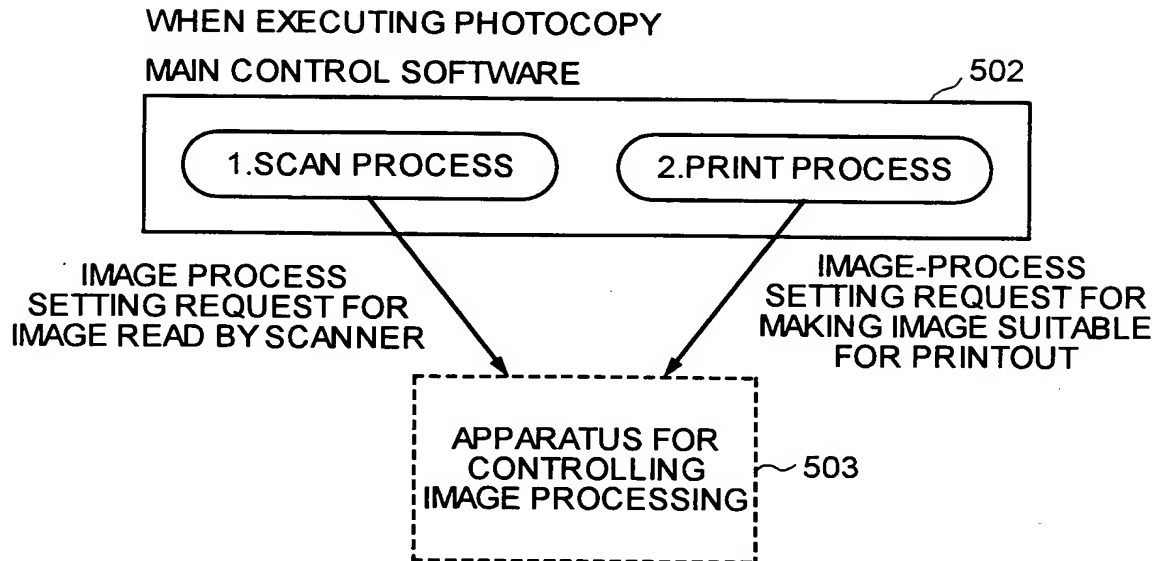
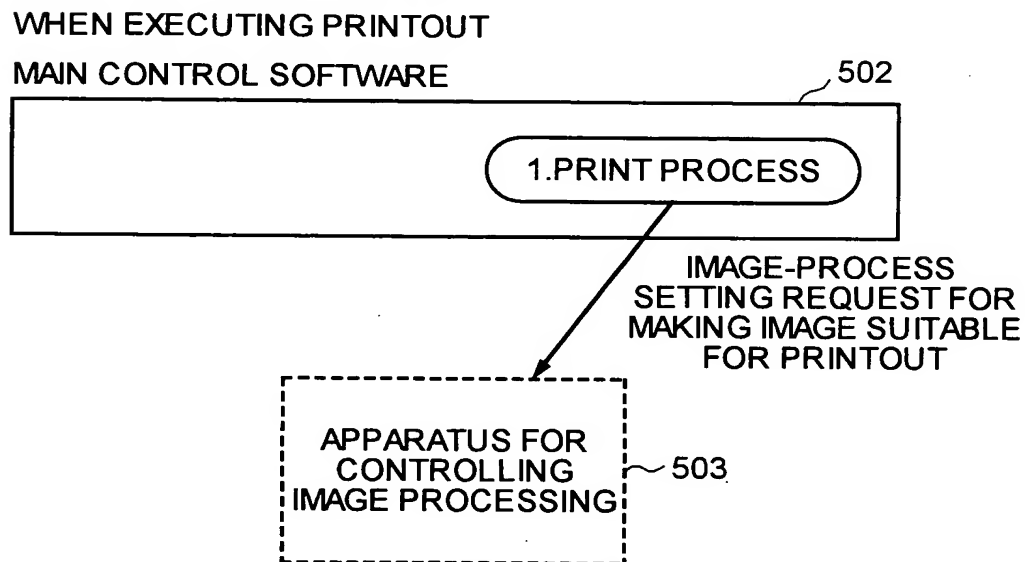


FIG.20B



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FIG.21

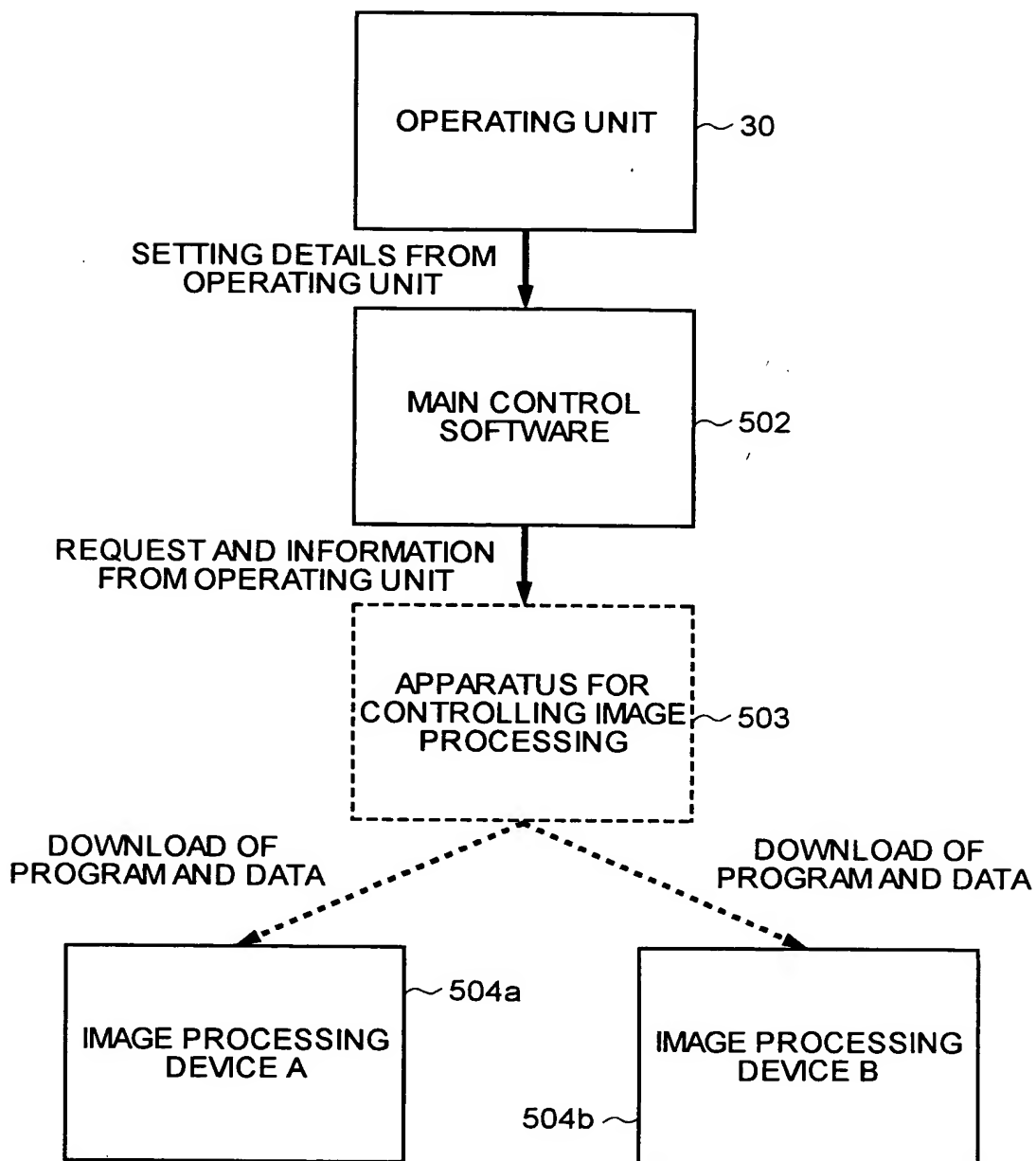
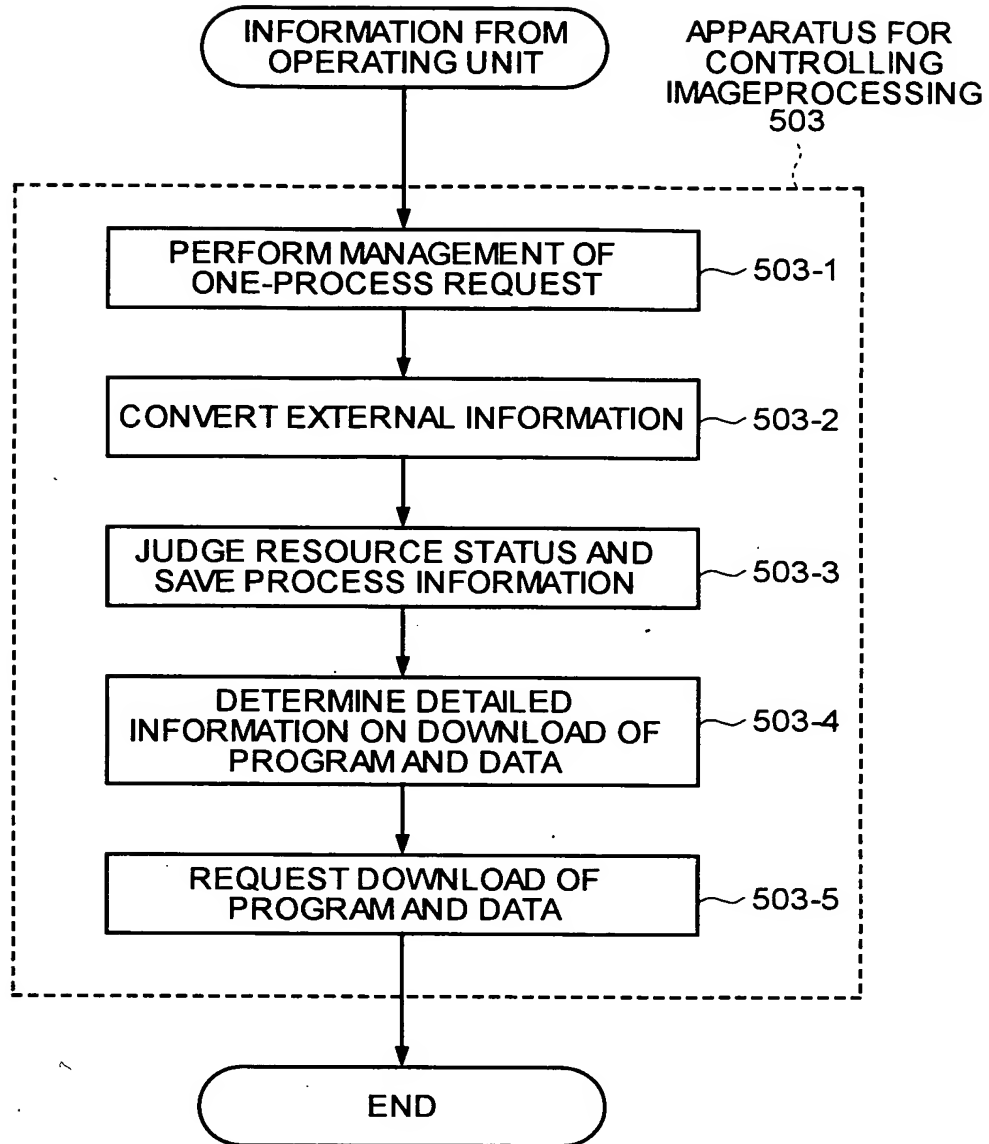


FIG.22



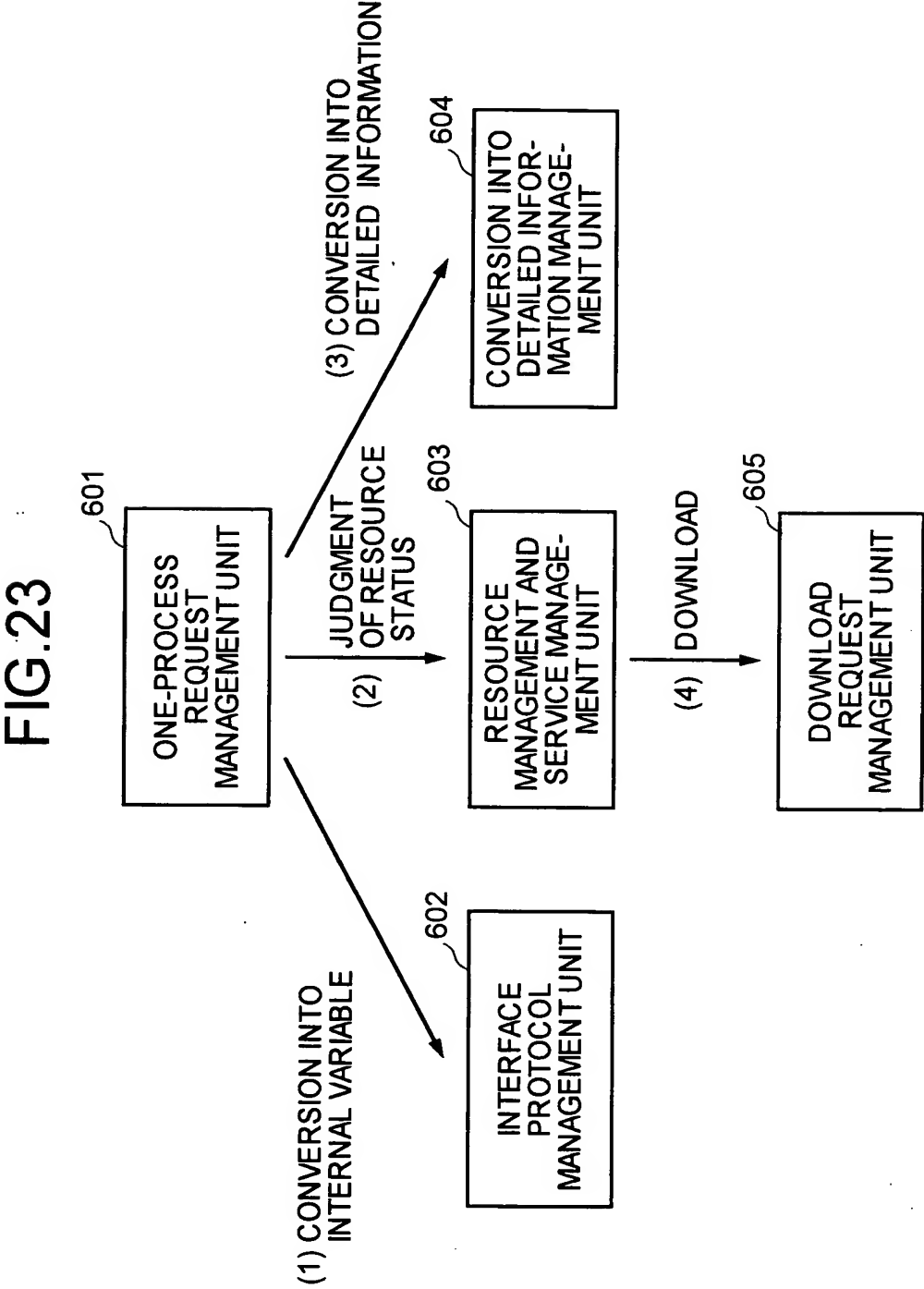


FIG.24

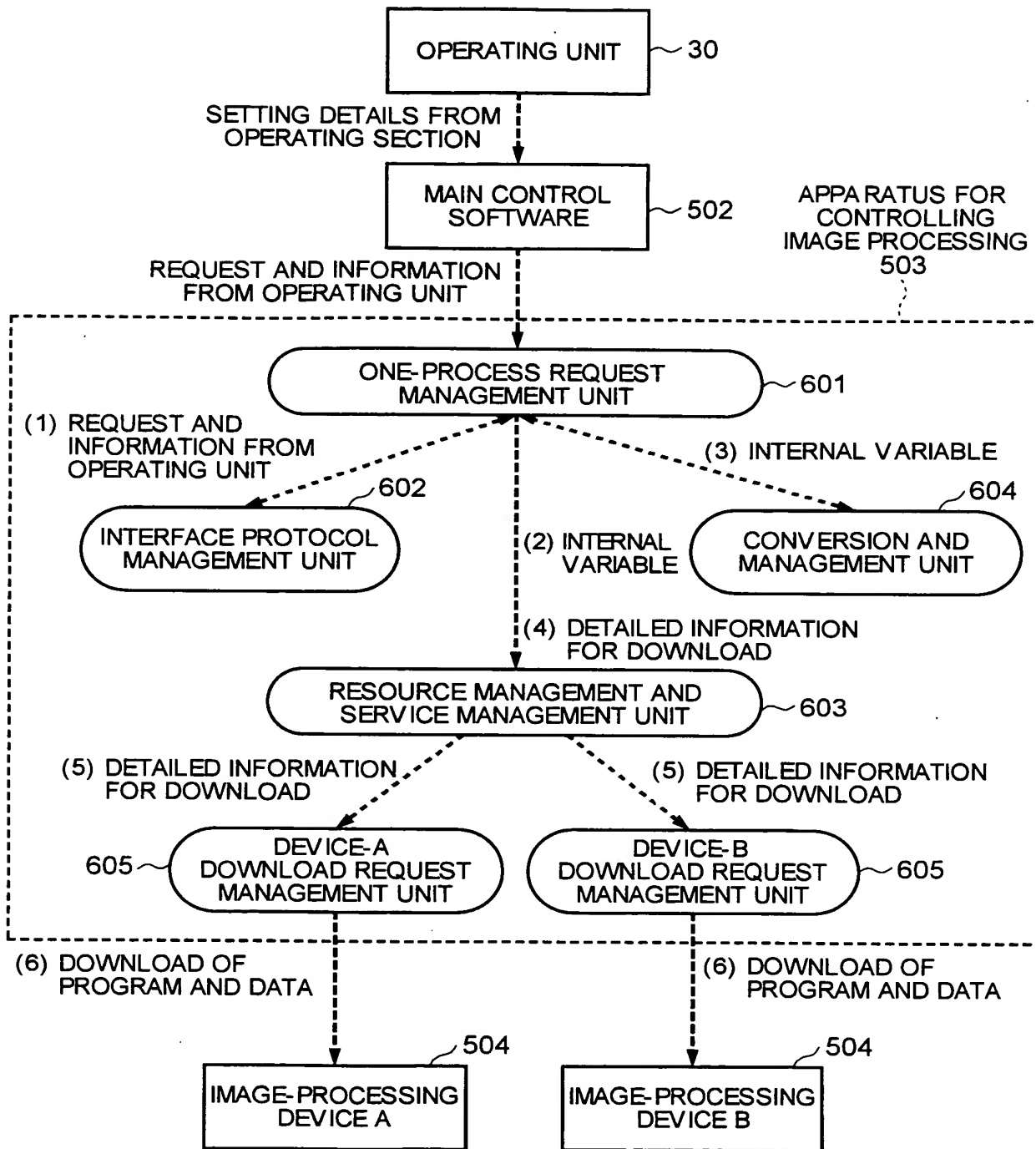


FIG.25A

1. WHEN TURNING POWER ON

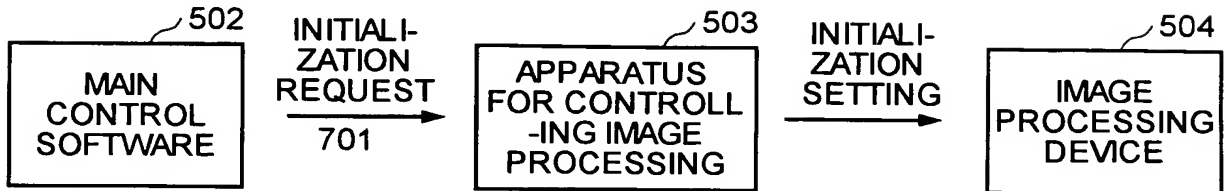


FIG.25B

2. WHEN EXECUTING ONE-PROCESS (SCAN, PRINT)

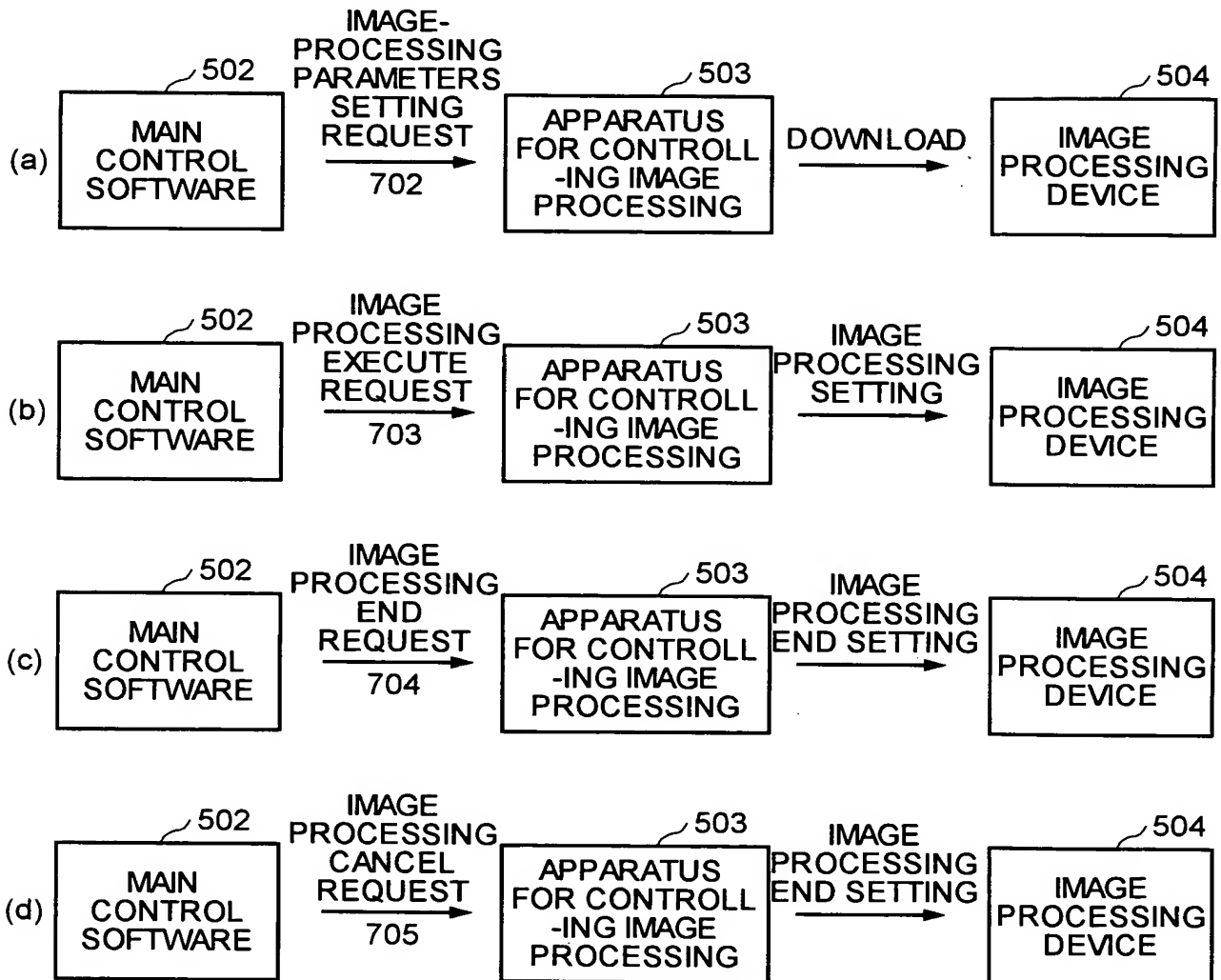
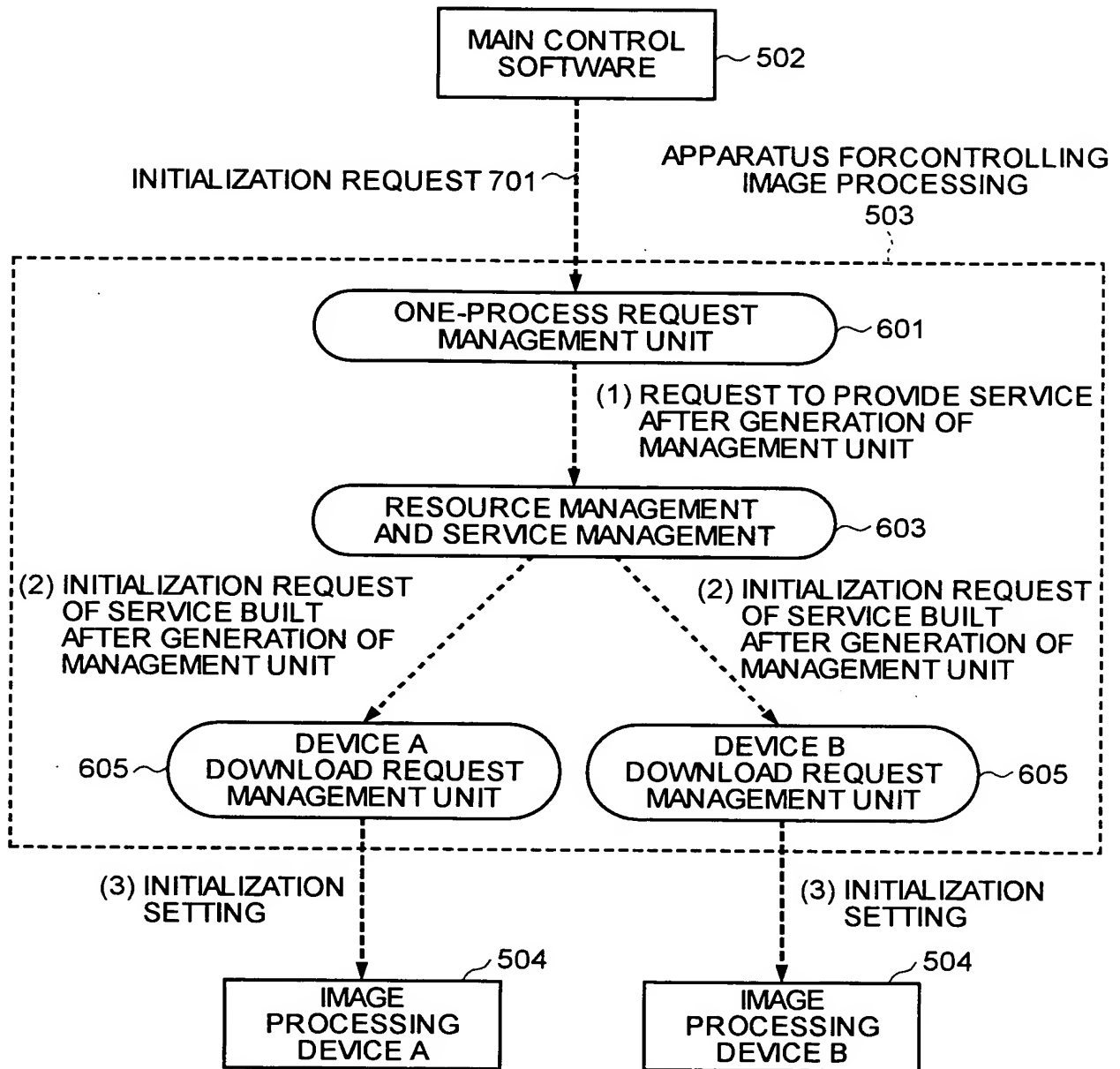


FIG. 26



WHEN TURNING POWER ON

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FIG.27

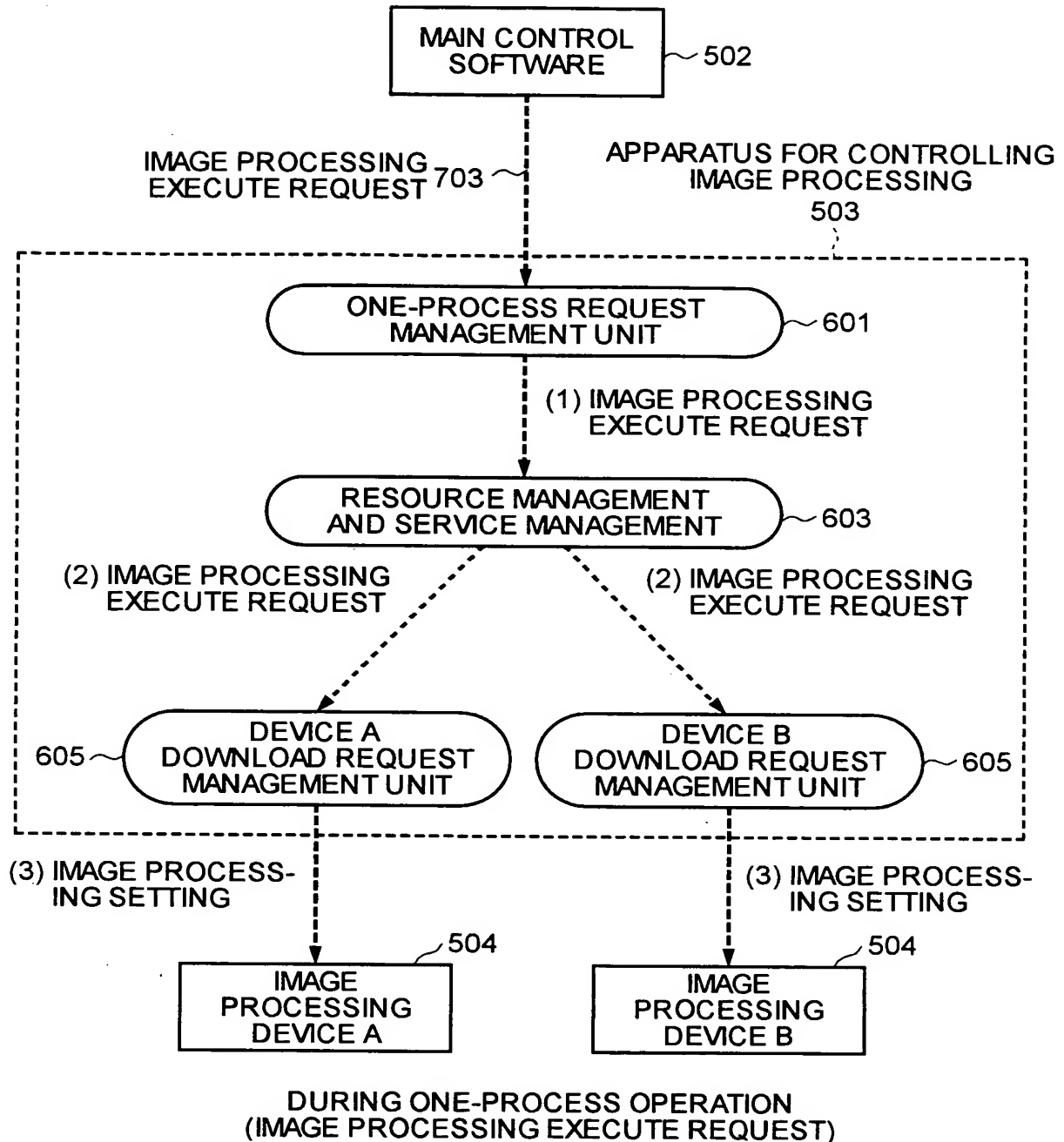
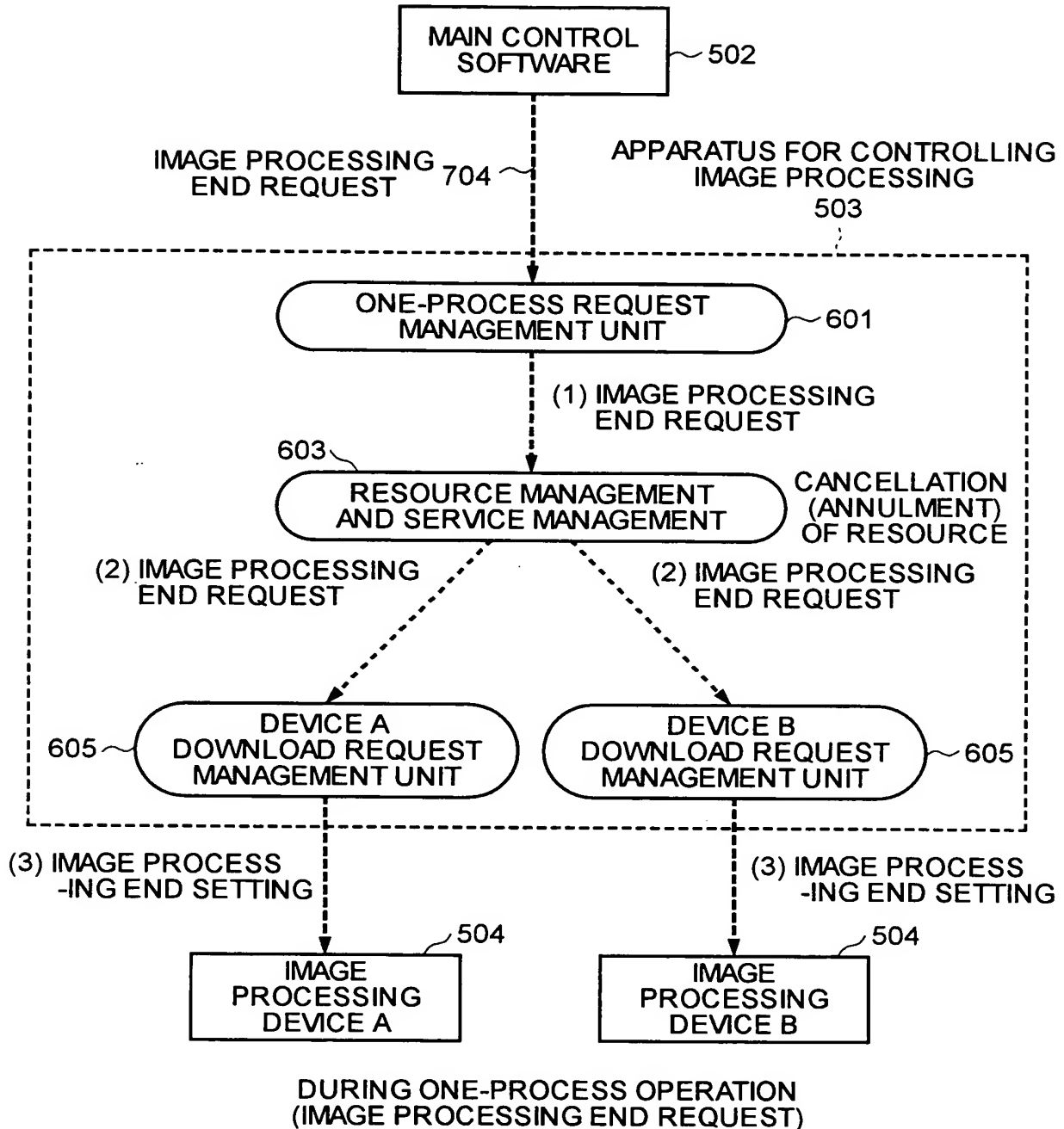
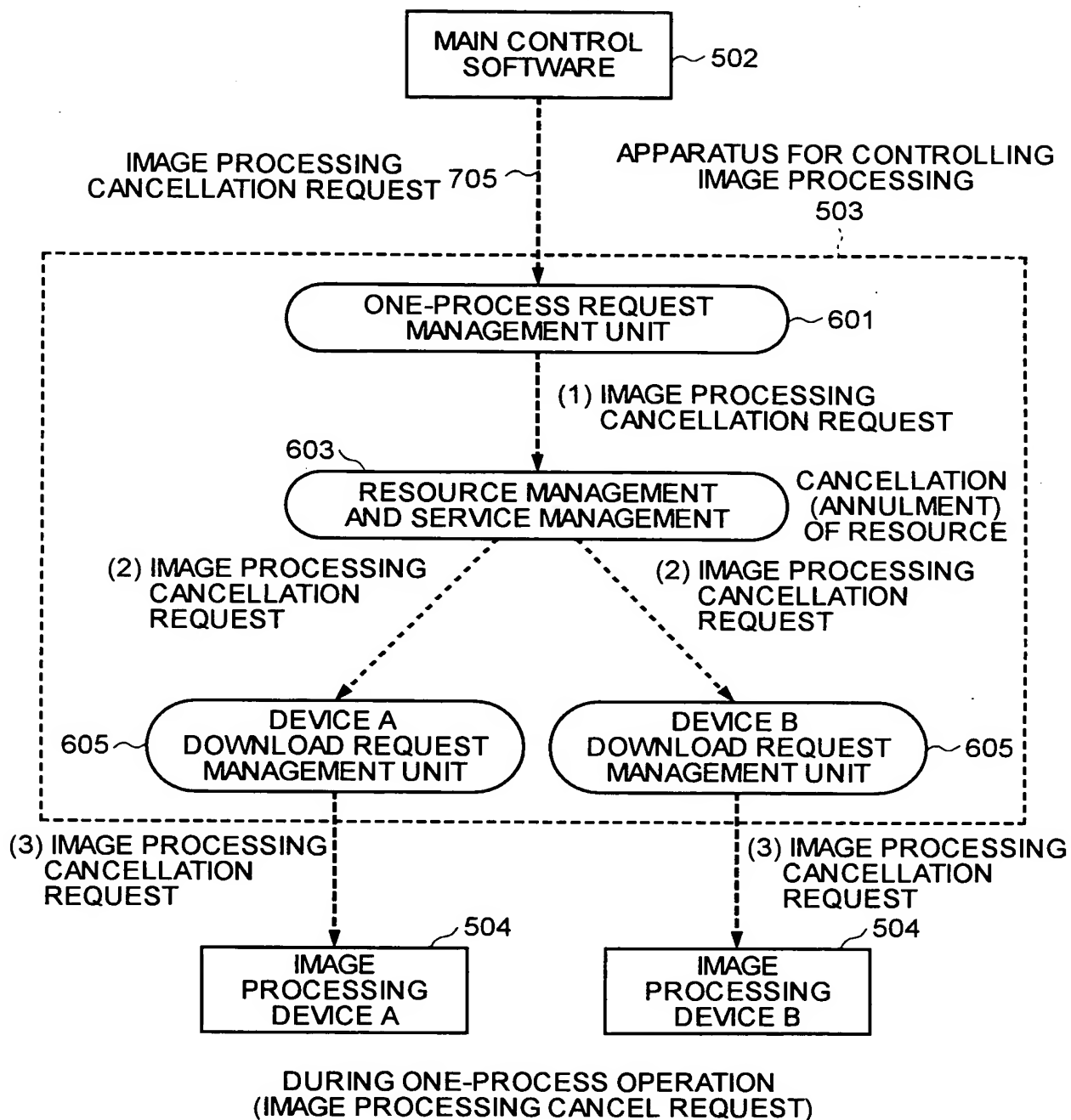


FIG.28



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FIG.29



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FIG.30A

1. PERFORMED BY MAIN CONTROL SOFTWARE

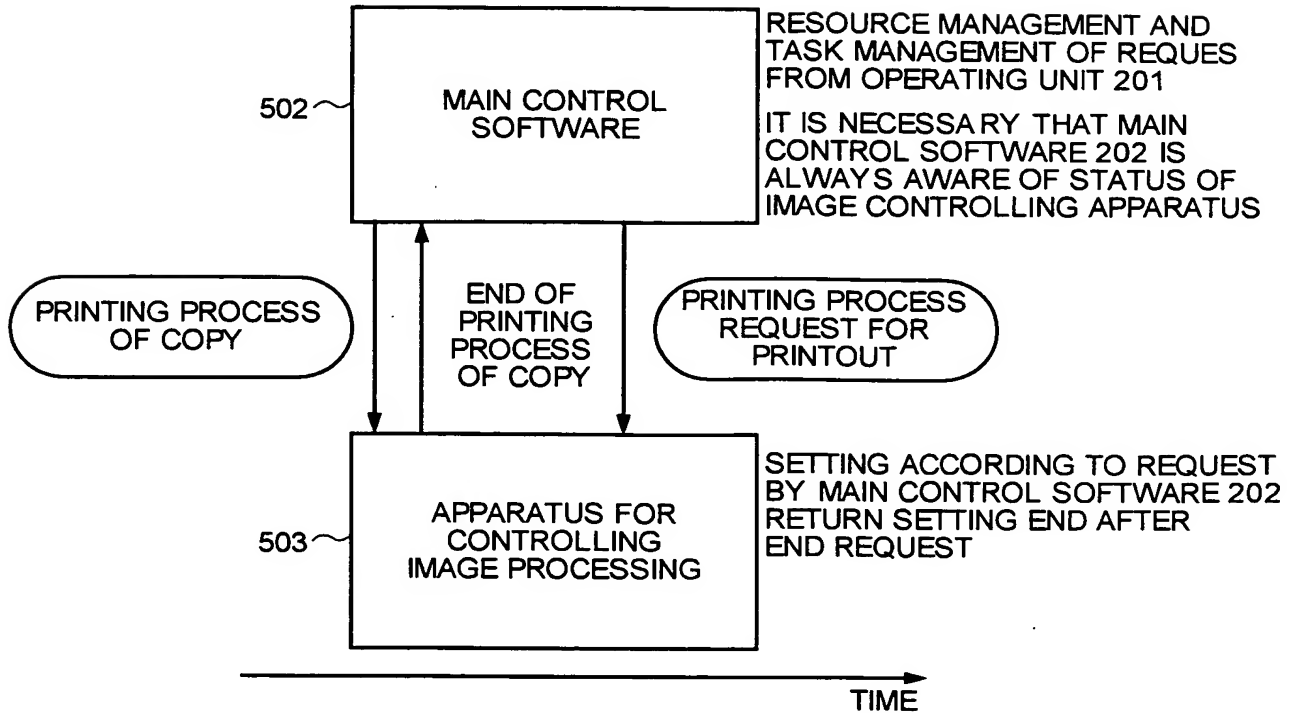
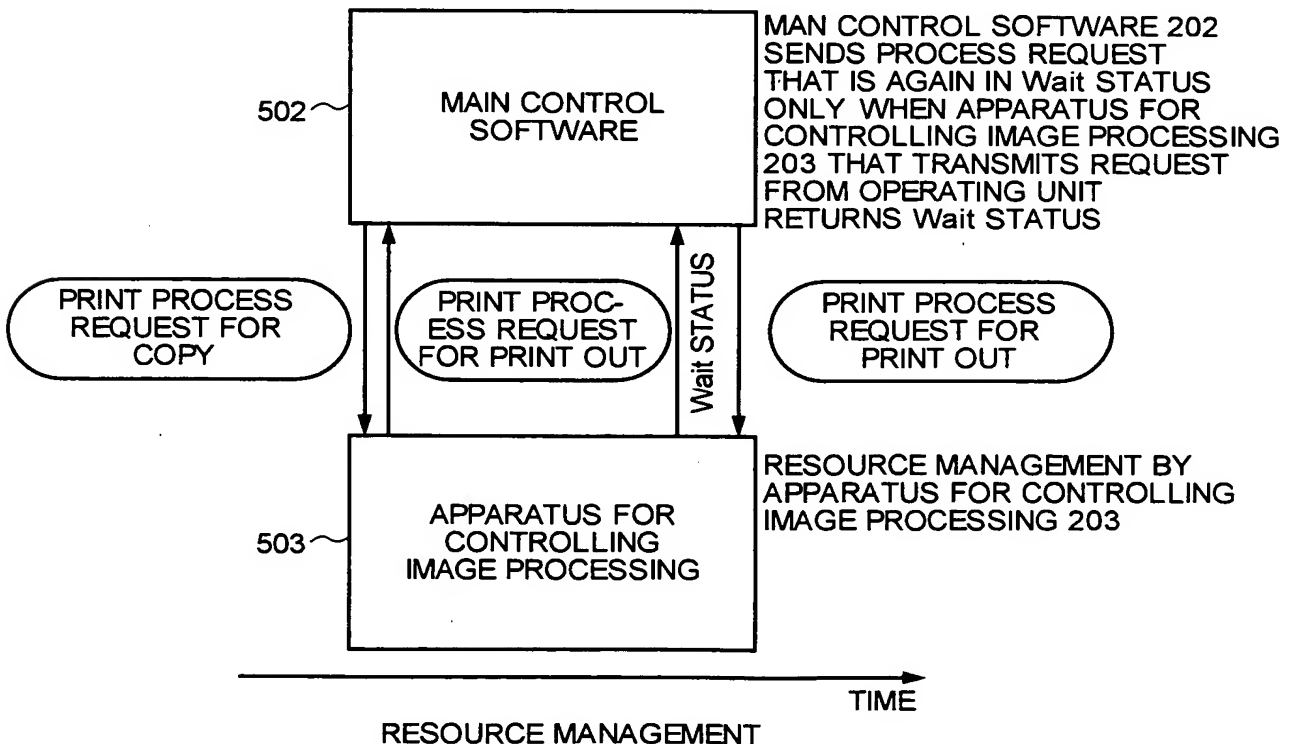


FIG.30B

2. PERFORMED BY IMAGE CONTROLLING APPARATUS 203



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FIG.31A

1. COPY OPERATION

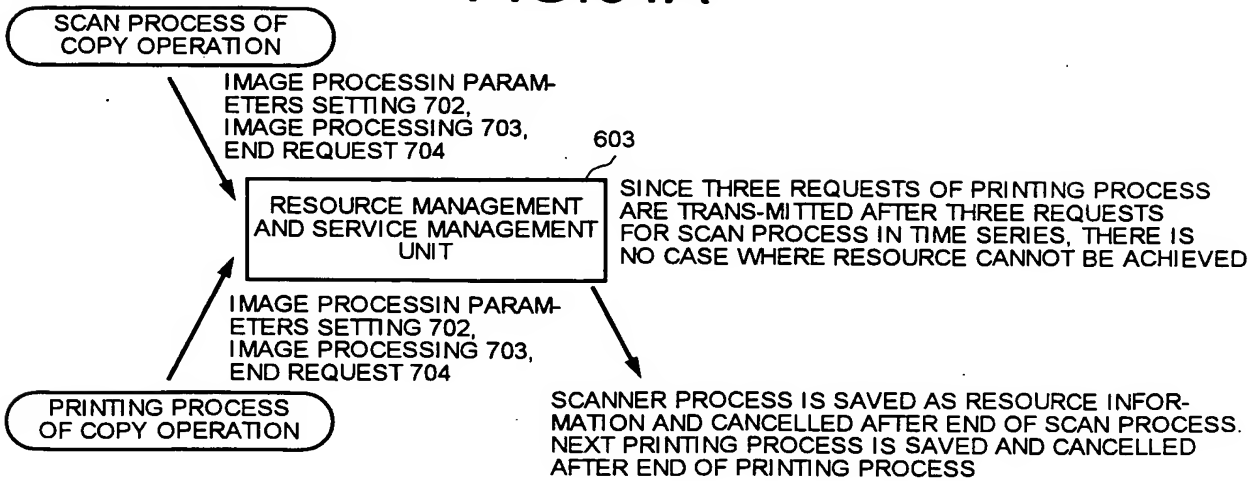


FIG.31B

2. SIMULTANEOUS COPY AND PRINTOUT OPERATION

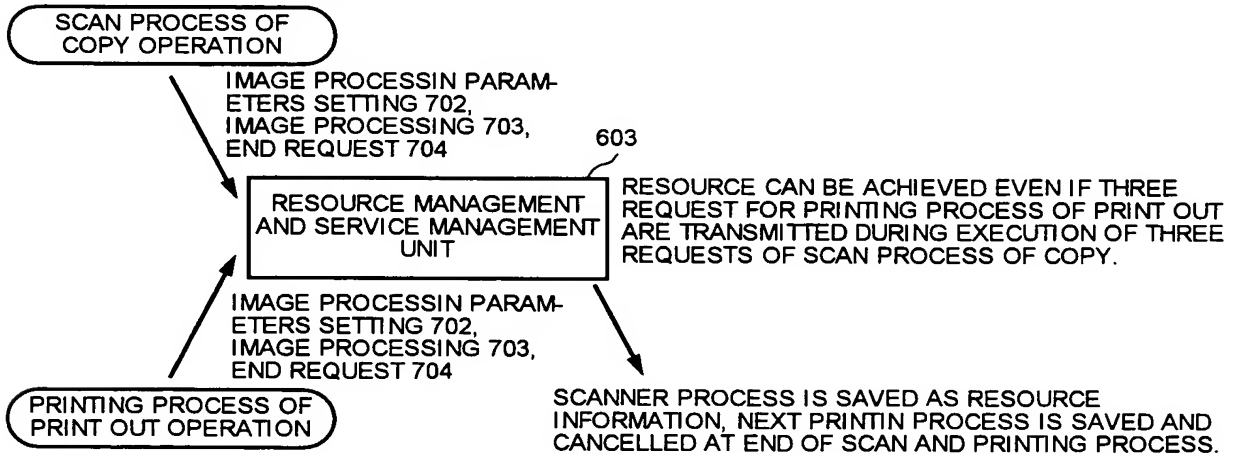
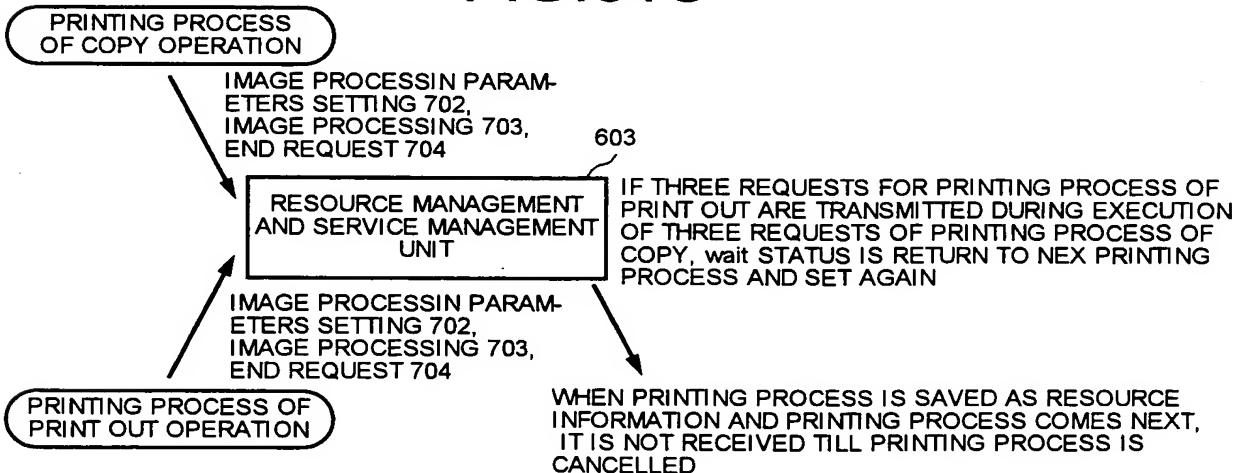
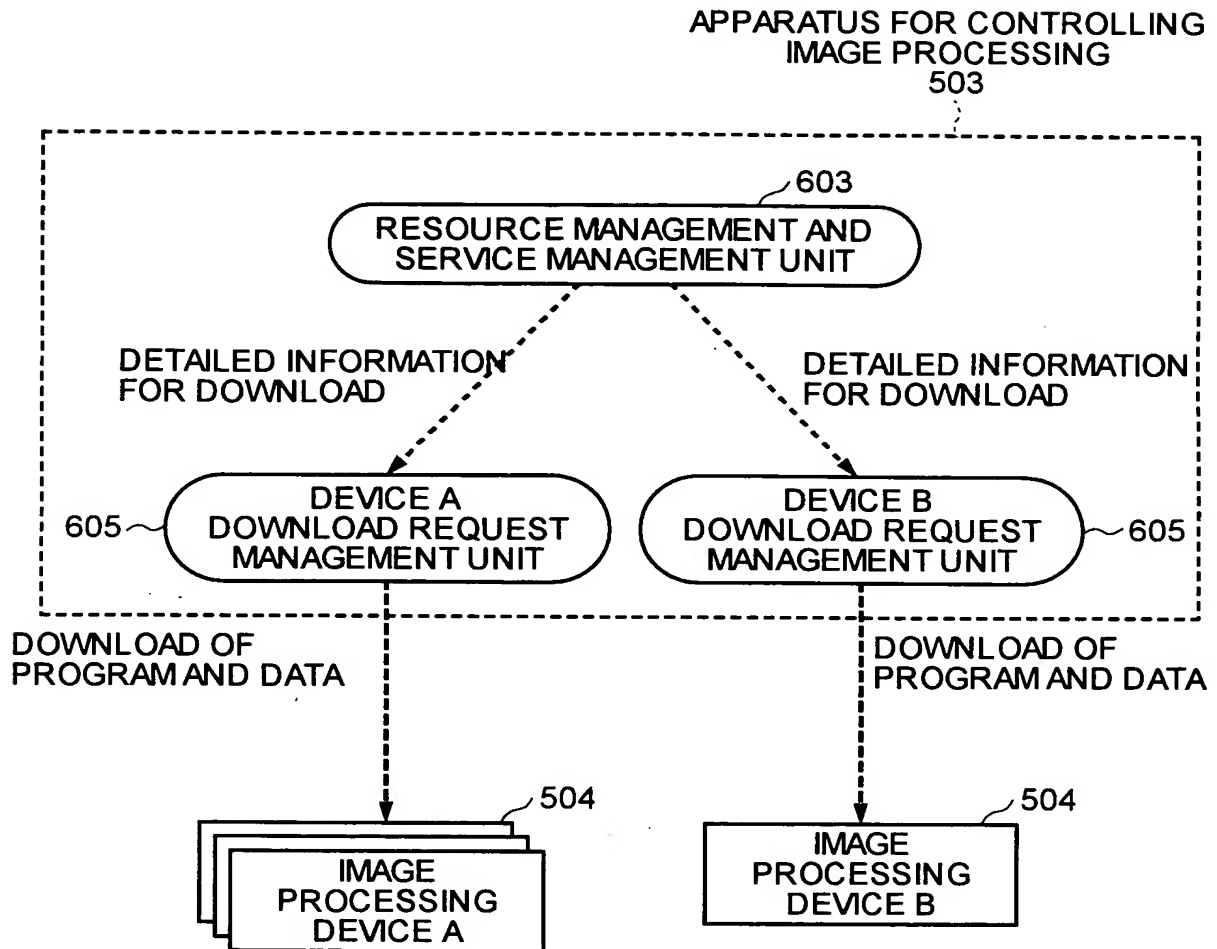


FIG.31C



EXAMPLE OF CONTROL OF RESOURCE MANAGEMENT

FIG.32



EXAMPLE OF CONTROL OF SERVICE MANAGEMENT